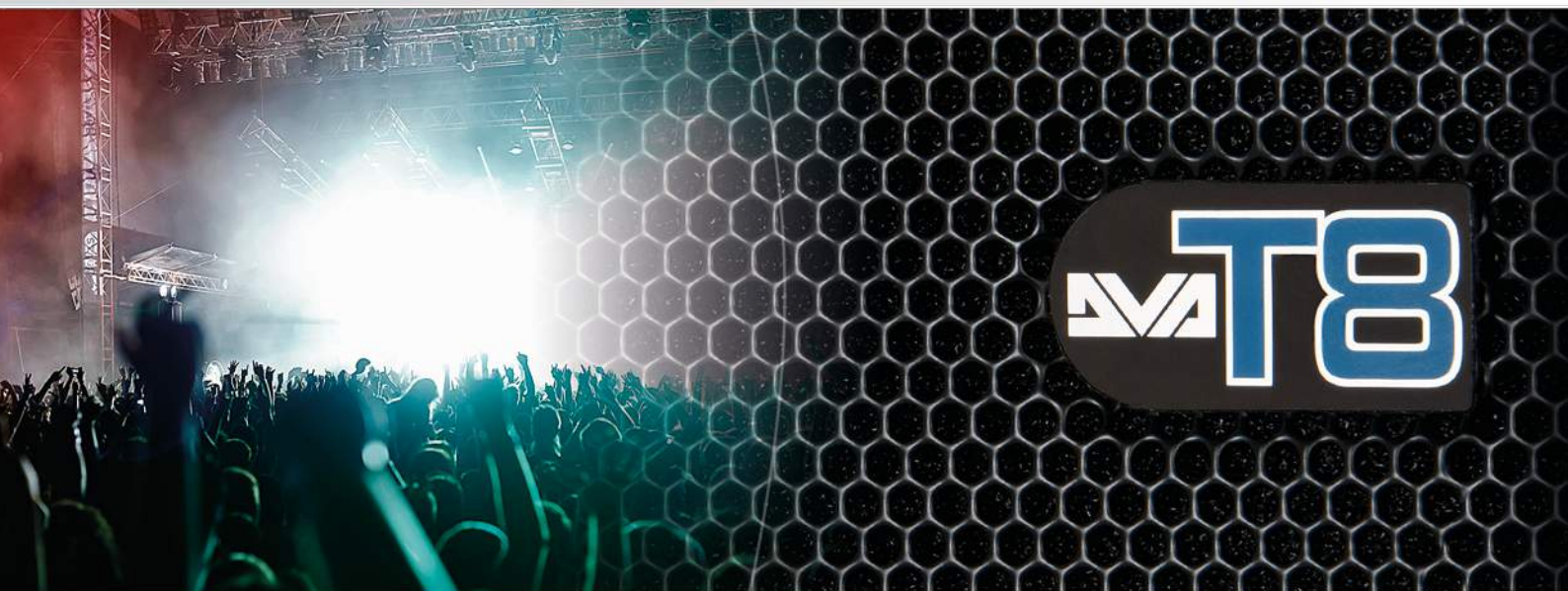


Catalogue



2013

dBTechnologies

The sound of experience.



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| DVA T8 | Active Line Array Module |
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| DVA S1521N | Active Subwoofer |
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***Digital Array** System & Subs*



dBTechnologies

Digital Array Systems & Subs

Line array technology has revolutionized sound reinforcement, particularly for large venues and events. Arraying several speaker cabinets vertically is a far more effective method of delivering and directing sound. Line array's signal levels do not drop off as steeply with increasing distance as is the case with conventional systems. What's more, their patterns of throw are very wide despite the systems' lean configurations. Until recently this technology saw limited use mainly in large, elaborate, and costly projects and installations. But with arrival of DVA, true line array technology is now available for a wide range of portable and permanent sound reinforcement applications.

Factoring all the many different parameters and users' needs into the design equation, the dBTechnologies team of engineers developed a line array system that is easy to configure, exceedingly light, and tremendously versatile. What's more, the managed to take all these vital criteria into account without imposing limits on curving capacity and the number of arrayed components. Called DVA, this system makes the most of line array technology's considerable audio benefits.

Leveraging state-of-the-art technologies, materials, and many years experience developing powered speaker systems, dBTechnologies has turned up a line array series that raises the performance bar for handling, versatility, and return on investment.

dBTechnologies has a competitive edge. Our engineers' deep insight into power electronics, DSP programming, acoustics, mechanics, materials, and manufacturing practices enables us to independently develop innovative solutions in each of these areas. Such comprehensive R&D proficiency puts us in a unique position: We are able to transform inspired ideas into premium-quality products that deliver outstanding performance at an unrivalled price-point.

The DVA series stands as a shining example of this all-around ability. Nowhere are the benefits of integrated amps, active crossovers, and processor-driven control more apparent than in DVA three-way line array units.

- **Fully powered units, freely scalable to setups of any size.**
- **None of the impedance and amp channel availability concerns associated with passive models.**
- **Lossless signal path with no need for speaker cables.**
- **Extremely tough yet remarkably light enclosures.**
- **Digital controller (DSP) onboard for utmost operating safety.**



Digital Vertical Array



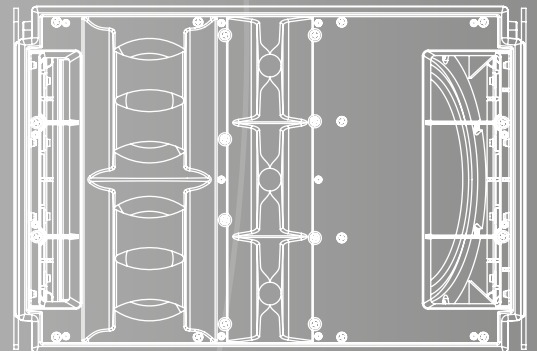
The global group of dBTechnologies companies develops and manufactures individual speaker components autonomously, and often specifically for the given application. We do not subscribe to the practice of equalizing and optimizing speakers with elaborate technology to bring them up to our standards. Instead, it has been our long-standing policy to build from the bottom up components with specs tailored to deliver the best audio performance for the application.

DVA T12 is a step up the evolutionary ladder from the successful DVA T4 line array system. Although it provides more power and has greater range, its active three-way design makes it just as **easy to set up and install as its predecessor**.



Full of Technology

- LONG-THROW SYSTEM
- FULLY POWERED THREE-WAY UNIT
FREELY SCALABLE TO SETUPS OF ANY SIZE
- LOSSLESS SIGNAL PATH WITH NO NEED FOR SPEAKER CABLES
- SEQUENTIALLY CONFIGURABLE ARRAY SEGMENTS
- HIGH-END DIGITAL CONTROLLER (DSP) ON BOARD
- NETWORK-READY WITH AN INTEGRATED RDNET PORT
- HARDWARE COMPATIBLE WITH DVA T8 SYSTEMS
- NONE OF THE IMPEDANCE AND AMP CHANNEL AVAILABILITY CONCERNS ASSOCIATED WITH PASSIVE MODELS



dBTechnologies

3-Way Active Line Array Module

DVA T12

Technical Data

Speaker Type: 3-Way Active Line Array Module

Acoustical data

Frequency Response [\pm 3dB]: 60 - 19.000 Hz

Max SPL: One Unit: 136 dB

HF: 3x1 "

Voice Coil HF: 1.4 "

Directivity: 100x10° Single unit

Horn: Integrated CD Horn

MF: 2x 6.5 "

Type MF: Neodymium Sealed Basket Phase Plug Horn Loaded

Voice Coil MF: 2 "

LF: 12 "

Type LF: Neodymium

Voice Coil LF: 3 "

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class D

HF Amp: 350 W RMS

MF Amp: 350 W RMS

LF Amp: 710 W RMS

Cooling: Convection

Processor

Controller: DSP 56 bit

AD/DA Converter: 24 bit/96 kHz

System Presets: 8, HF/Low-mid correction

Limiter: Dual Active Limiter Multiband RMS, Peak, Thermal

Crossover Frequency MF-HF: 1800 Hz

Slope MF-HF: 24 dB/Octave

Crossover Frequency LF-MF: 420 Hz

Slope LF-MF: 24 dB/Octave

Input

Signal Input: 1x XLR fem, Bal.

Signal Output: 1x XLR male, Bal.

Network: RDnet remote control RJ45 connector IN/OUT

Power Socket: 1x Powercon In 1x Powercon Out

Voltage Range: 90 - 240 V

Mechanics

Housing: Polypropylen PP Aluminium reinforced

Housing Design: Trapezoidal 10°

Rain cover: Included

Rigging Points: Integrated rigging hardware

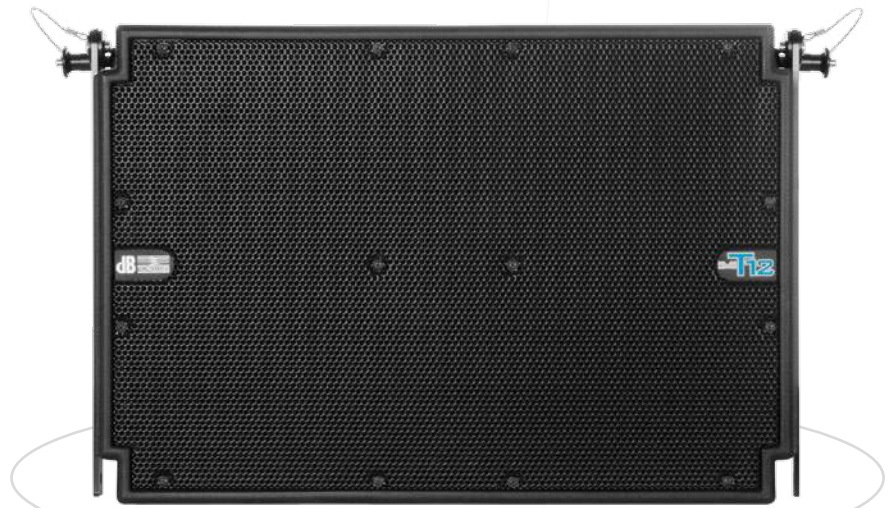
Width: 580 mm (23.2 in)

Height: 386 mm (15.44 in)

Depth: 430 mm (17.2 in)

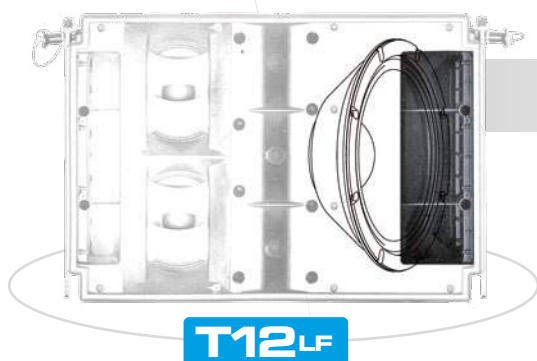
Weight: 29,9 kg (63.93 lbs)

The DVA T12 features state-of-the-art neodymium speakers and high-performance digital amps with total of 1,410W output power. In combination with top-drawer DSP and premium quality AD-DA converter, it delivers high-definition sonic images with massive SPL for large sound reinforcement applications.



Weighing just 29kg, this remarkably compact unit belies its unobtrusive look by enabling you to set up very powerful line arrays that deliver extraordinary performance.

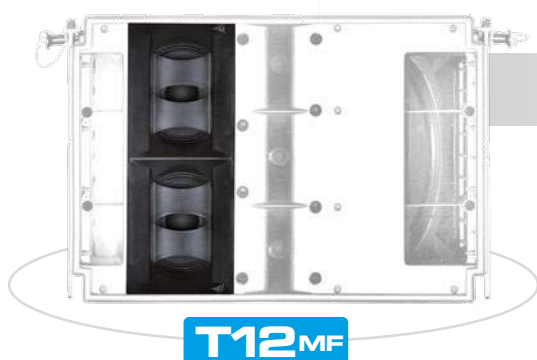




Extended low-end performance

A 12" neodymium woofer in a band-pass housing covers the low frequency range. Remarkably powerful, it packs an assertive punch that reaches down to 60 Hz to enable fullrange applications. The 12" woofer is slanted inside the housing, giving the cabinet a lean, unobtrusive look.

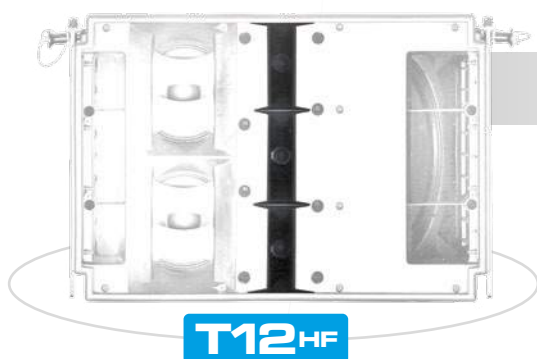
- **12" neodymium woofer**
- **Fullrange capability from 60Hz up**



Accurate and awesomely efficient midrange response

The DVA T12's two 6.5" neodymium midrange are placed close together to maximize coherent coupling and response for those critical midrange frequencies. The speaker resides in a sealed basket to optimize the displacement volume. This makes the midrange even more responsive.

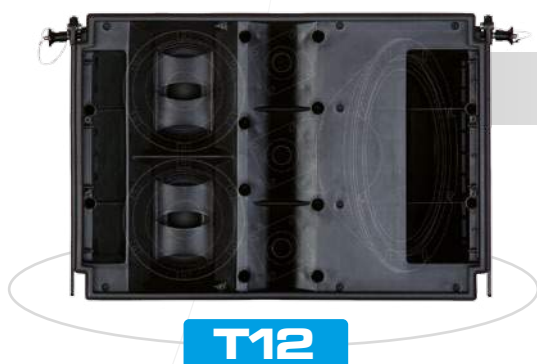
With a high BL factor, it reacts far faster to transients and renders each attack with awesome accuracy. Both 6.5" midrange are equipped with an optimized phase plug and feed into a frontloaded horn to achieve a uniform coverage pattern.



High-definition top end

The 1" neodymium HF drivers feature 1.4" Mylar diaphragms. Exceptionally light and responsive, they deliver richly detailed signals with remarkably linear frequency response. Specially developed for use in line arrays, these ultra compact drivers may be deployed in very close proximity to one another. This is essential to minimize interference in such arrays.

The DVA T12 is loaded with three HF drivers tuned specifically for the custom designed array horn. This combination maximizes the coupling of the drivers' outputs and extends the range of the HF signal.



Consistent coverage pattern

The DVA T12 features constant directivity horns, HF drivers, and midrange speakers optimized to deliver a uniform 100°-by-10° coverage pattern.

The DVA makes the most of two acoustical effects to help distribute SPL evenly. One is the vector addition of individual horns' output, with the other being cylindrical wave formation. The coverage pattern may be adapted to suit the sound reinforcement application by varying the length of the array and adjusting the splay between individual components.

- **Uniform 100°-by-10° coverage pattern**
- **Evenly distributed SPL**



Ground stacks

DRK-10 and DRK-20 harnesses can also serve to stack cabinets on the ground when rigging points are unavailable or the ceiling is too low. A special bracket adjusts the inclination down to 7.5°. The DRK-10/20 fits perfectly on an upright DVA S30 subwoofer. Equipped with two receptacles for quick-release pins, it is readily attached without tools.

The DVA S30 subwoofer sports two 18" speakers, a bass reflex horn, a 3000W power amp, and an internal DSP. (To learn more about it, see the chapter entitled Active Subwoofer).

■ Line array benefits in ground-stacked configurations



Compatible with DVA T8 units:

DVA T12 and DVA T8 series housings and rigging hardware are compatible. This means DVA T8 units may be flown right below a T12 array for use as down-fills in large PA systems.

■ Compatible DVA T8's may serve as far-fill extensions

Power Supply

The PFC switched-mode power supply allows up to four DVA T12 units to be connected to one phase.

When connecting large systems (up to 12 units), we recommend splitting up the power feed using a 16ACEKON adapter, tapped and spliced to feed three weatherproofed Power-Con connectors.





Digital Vertical Array



DVA T8 is the latest and most advanced incarnation of a string of successful line array systems that started with the DVA T4. Loaded with state-of-the-art neodymium woofers, the DVA T8 features a **high-performance digital power amp with 700W/RMS total output**, a **high-end 56-bit DSP**, and **premium-quality AD-DA converters**.

These superior components come together to deliver superior audio quality and high SPL.

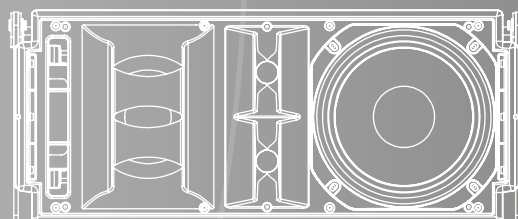
Remarkably easy to handle, this **lightweight, 14.2kg** line array's powerful performance belies its look of subdued elegance and small footprint.

It's hard to believe that something so petite can pack such a mighty punch.

T8

Full of Technology

- 3-WAY ACTIVE WITH A 700W/RMS DIGITAL POWER AMP
- HIGH-END 56-BIT DSP ON BOARD
- 96 KHZ SAMPLING RATE
- NETWORK-READY WITH AN INTEGRATED RDNET PORT
- SIX MODULES CONNECTED TO ONE 16A PHASE PLACE
- LOSSLESS SIGNAL PATH WITH NO NEED FOR SPEAKER CABLES
- ACOUSTICALLY COMPATIBLE WITH THE DVA T12
- MECHANICALLY COMPATIBLE WITH THE DVA T12



dBTechnologies

3-Way Active Line Array Module

**NEW
PRODUCT
2013**

DVA T8

Technical Data

Speaker Type: 3-Way Active Line Array Module

Acoustical data

Frequency Response ± 3 dB: 66 - 18,000 Hz
 Max SPL: One Unit: 132 dB
 HF: 2x1 "
 Voice Coil HF: 1.4 "
 Directivity: 100x15° Single unit
 MF: 1x 6.5 "
 Voice Coil MF: 2 "
 LF: 8 "
 Voice Coil LF: 2.5 "

Amplifier

Amp Technology: Digipro® G2
 Amp Class: Class D
 HF Amp: 175 W RMS
 MF Amp: 175 W RMS
 LF Amp: 350 W RMS
 Cooling: Convection

Processor

Controller: DSP 56 bit with double precision filters
 AD/DA Converter: 24 bit/96 kHz
 System Presets: 9, (8xHF and Low-mid correction)
 Limiter: Dual Active Limiter Multiband RMS, Peak, Thermal
 Crossover Frequency MF-HF: 1900 Hz
 Slope MF-HF: 24 dB/Octave
 Crossover Frequency LF-MF: 400 Hz
 Slope LF-MF: 24 dB/Octave

Input

Signal Input: 1x XLR fem, Bal.
 Signal Output: 1x XLR male, Bal.
 Network: RDnet remote control RJ45 connector IN/OUT
 Power Socket: 1x Powercon In 1x Powercon Out
 Voltage Range: 90 - 240 V

Mechanics

Housing: Polypropylen PP Metal reinforced
 Housing Design: Trapezoidal 15°
 Rain cover: Included
 Rigging Points: Integrated rigging hardware
 Width: 580 mm (23.2 in)
 Height: 240 mm (9.6 in)
 Depth: 327 mm (13.08 in)
 Weight: 14.2 kg (31.3 lbs)

Top Performance Paired with Total Control

The DVA T8 is a fully active, three-way speaker system equipped with the same innovative technologies that feature so prominently in the DVA T12.

Its power supply, DSP, power amps, woofers and drivers were all developed and painstakingly tuned specifically for the DVA T8 system by the dBTechnologies team of engineers.



Precise directivity

The DVA T8 sports constant directivity horns, HF drivers, and midrange woofers optimized to deliver a uniform 100°-by-15° coverage pattern. It makes the most of two acoustical effects to help distribute SPL evenly.

One is the vector addition of individual horns' output; the other is cylindrical wave formation. These two effects come together to create a uniform coverage pattern that is easily adapted to different venues by varying the length of the array and adjusting the splay between individual components.

- **Uniform coverage pattern**
- **Evenly distributed SPL**





T8_{HF}

High-definition top end

The 1" neodymium HF drivers feature 1.4" Mylar diaphragms. Exceptionally light and responsive, they deliver richly detailed signals with remarkably linear frequency response. Developed especially for use in line arrays, these drivers may be deployed in very close proximity to one another. This is essential to minimize interference in such arrays.

- ***Two 1" neodymium HF drivers with array horn***
- ***Remarkably transparent response***



T8_{MF}

Accurate, awesomely efficient midrange response

Loaded with a custom 6.5" neodymium midrange, the DVA T8 also delivers excellent midrange response, which has such a formative influence on shaping the sonic image. The midrange is housed in a sealed chassis. Its high BL factor makes it even more responsive so that it renders transients faithfully. A phase plug feeds into a frontloaded horn tuned to achieve a uniform coverage pattern.

- ***One 6.5" neodymium midrange with a frontloaded horn***
- ***Superior transient response***



T8_{LF}

Extended low-end performance

A powerful 8" neodymium woofer, paired with a 350W power amp, covers the low frequency range with an assertive punch that reaches down to 70 Hz.

- ***8" neodymium woofer***
- ***Fullrange capability from 70 Hz up***



Extraordinary dynamic range and natural sound

The DVA T8's signal processors and **AD/DA converters** were engineered to achieve **transcendent sound quality with great fidelity and dynamic range with 56-bit digital signal processing at a sampling rate of 96 kHz.**

DSPs equalize every signal path, aligning phases and time, and handle loads with digital peak, RMS, and thermal limiters to maximize operating safety, power management and performance even at threshold levels.

- ***Excellent audio specs***
- ***Perfect system equalization***



Easy setup - configuration at the touch of a button

The DVA T8's DSP offers **eight system presets that adapt the unit to its assigned task in the array.**

They adjust the gain structure and EQ for the near-field/ midfield and far-field positions to compensate for high frequencies absorbed by air as well as for low/ midrange frequency coupling as the array length increases. **No further manual adjustments are necessary.** All presets may be selected using the rear-mounted rotary encoder or downloaded from a PC using RDnet software.

- ***Simplest system configuration***
- ***Very fast setup***



Durable yet light hybrid polypropylene enclosure

This enclosure's surface is immune to knocks and scratches and fully resistant to water and moisture. A sophisticated metal skeleton provides internal bracing that connects its component parts, reinforces the housing and softens resonance.

- ***Metal-reinforced polypropylene housing***
- ***Light yet exceedingly durable***
- ***Integrated rain proofing***





Compact yet remarkably powerful

Digipro®G2 digital power amps - compact yet remarkably powerful

The DVA T8 sports three Class-D digipro® power amps, one for each signal path. Embodying the latest advance in digital high-performance amps, the digipro®'s sophisticated technology delivers more from less – that is, maximum power from a package designed to minimized weight and size.

- **700 W/RMS**
- **High performance and transparency with true dynamic response**



SMPS with PFC for consistently superb performance

The DVA T8's power supply consists of independent networked devices. **Incorporating the latest IT technology**, it was engineered to maximize operating safety, efficiency, and performance.

The main 750W power supply provides plenty of juice to the power amps and features **PFC (power factor correction)**. A secondary power supply feeds the microcontrollers and the DSP, and serves to ramp up check routines and the main power supply. The smart **IPOS™ (Intelligent Power-On Sequence)** circuit keeps the overall system's inrush current low.

- **Wide-range 90-to-240V SMPS power supply with PFC**
- **IPOS™ circuit for low inrush current**

High reliability and operating safety

The processor monitors amp's temperature, voltage, current, impedance, input, output, and other data independently and continuously. It detects problems such as an impending overload, and attenuates the signal gradually in small steps or mutes it altogether, depending on the given temperature and level.

- **Real-time operating status monitoring**
- **Status report delivery via the DVA USB Manager**



Handling, Stacking and Flying Cabinets

The DVA T8 comes with built-in rigging hardware. The splay between enclosures may be adjusted in incrementally from 0° to 15°. The DRK-10 harness holds up to 16 flown T4 units. At just 14.2 kg, the DVA T8 is exceptionally light so an array with six elements weighs less than 100 kg. This is an advantage greatly appreciated by everyone who handles and transports the array. A single person can rig up and fly the system, even from trusses and towers rated to handle lighter loads.

- **Very light point load**
- **Precise alignment**
- **DRK-10 harness flies up to 16 units**



Compatible with DVA T12 units

DVA T8 and DVA T12 series housings are acoustically and mechanically compatible. This means DVA T12 units may be flown right above a T8 array for use as far-fills.

- **Compatible DVA T12s may serve as far-fill extensions**

DSA 4 pole mount adapter

The DSA 4 pole mount adapter holds up to 3 DVA T8 modules on one pole. A set screw adjusts the tilt angle, smoothly and precisely. Compact PA systems can be configured for smaller applications simply by adding S1518N subwoofers to the setup.



Ground stacks with DVA subwoofers

The DRK-10 harness can also serve to stack cabinets on the ground when rigging points are unavailable or the ceiling is too low.





Digital Vertical Array



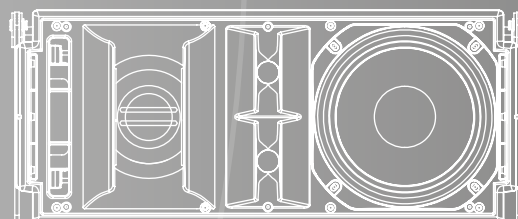
A three-way active line array system, the **DVA T4** has set new standards in the sound reinforcement industry since its 2007 market launch. Better yet, it has brought the benefits of real line array technology to a much wider range of users.

Equipped with top-notch features and engineered for maximum versatility, the **DVA T4** delivers premium performance and ensures excellent return on investment.



Full of Technology

- 8 MODULES (2 METERS ARRAY) CONNECTED TO ONE 16A PHASE
PLACE JUST 125 KG LOAD ON THE PICK-POINT
- FULLY POWERED UNITS, FREELY SCALABLE TO SETUPS OF ANY SIZE
- LOSSLESS SIGNAL PATH WITH NO NEED FOR SPEAKER CABLES
- NONE OF THE IMPEDANCE AND AMP CHANNEL AVAILABILITY
CONCERNS ASSOCIATED WITH PASSIVE MODELS
- SEQUENTIALLY CONFIGURABLE ARRAY SEGMENTS
- DIGITAL CONTROLLER (DSP) ONBOARD
FOR UTMOST OPERATING SAFETY



dBTechnologies

3-Way Active Line Array Module

DVA T4

Technical Data

Speaker Type: 3-Way Active Line Array Module

Acoustical data

Frequency Response [+/- 3dB]: 80 - 19,000 Hz

Max SPL: One Unit: 128 dB

HF: 2x1 "

Voice Coil HF: 1.4 "

Directivity: 100x15 ° Single unit

MF: 1x 6.5 "

Voice Coil MF: 1.5 "

LF: 8 "

Voice Coil LF: 2.5 "

Amplifier

Amp Technology: Digipro®

Amp Class: Class D

HF Amp: 100 W RMS

MF Amp: 100 W RMS

LF Amp: 220 W RMS

Cooling: Convection

Processor

Controller: Analog Devices

AD/DA Converter: DSP 24 bit/48 kHz

System Presets: 8, HF/Low-mid correction

Limiter: Dual Active Limiter Multiband RMS, Peak, Thermal

Crossover Frequency MF-HF: 1800 Hz

Slope MF-HF: 24 dB/Octave

Crossover Frequency LF-MF: 400 Hz

Slope LF-MF: 24 dB/Octave

Input

Signal Input: 1x XLR fem, sym

Signal Output: 1x XLR male, sym.

Power Socket: 1x Powercon In 1x Powercon Out

Voltage Range: 90 - 240 V

Mechanics

Housing: Polypropylen PP reinforced

Housing Design: Trapezoidal 15°

Rigging Points: Integrated rigging hardware

Width: 580 mm (23.2 in)

Height: 240 mm (9.6 in)

Depth: 327 mm (13.08 in)

Weight: 13.8 kg (30.42 lbs)

The DVA T4 is equipped with unique digital power amps that provide a total of 420W RMS. Driven by Digipro® technology, their resolution is several-fold that of conventional digital amps. They render signals very accurately with this high-definition audio capability.

Sonic images are almost impossible to distinguish from those of analog sources, even in the HF range. The amps are equipped with high-quality delta-sigma converters.



The DVA T4's digital power amp features DPP™ (Digital Power Processing) technology and a multiband compressor/ limiter with separate response curves for each signal path. Its dynamic range is exceptionally wide.

For example, headroom in the middle and high-frequency bands ranges up to 22dB. This innovative circuitry not only maximizes dynamic response, it also ensures signals are rendered accurately and uniformly even at threshold levels.





T4_{LF}

Reliability

The 8" Neodymium-Woofer is equipped with a high power 2.5" voice coil to provide superior sound pressure level in a very compact size.

- **8" vc 2.5" Neodymium woofer**



T4_{MF}

High Efficiency

The 6.5" Neodymium-Midrange speaker has a sealed basket to provide an optimized volume capacity including high sensitivity and superb sound reproduction. It also has a horn exit including phase plug for defined and linear sound emission.

- **6.5" vc 1.5" Neodymium Midrange**



T4_{HF}

State-of-the-Art Drivers

The build in 1" Neodymium- Drivers are equipped with a 1.4" Mylar- Membrane which allow a very quick response and provide a linear frequency range at a surprisingly low weight. This driver was specially designed for the use with Line-Arrays. Its compact measurements allow very close proximity which is a main factor for minimum interference.

- **2x 1" vc 1.4" Neodymium drivers**



T4

Constant Directivity

The DVA T4 Top is equipped with a constant directivity horn for the High and Mid section and offers a nominal coverage angle of 100°x15°. The CD-Horn provides high flexibility and a good natured attitude if for instance the Array is not aligned correctly.

The DVA uses apart from the formation of cylindrical waves (very much depending on the number of T4 elements) the vector summing of the individual horns. This means that with growing distance to the source (if set up correctly) the listener perceives more and more vector sums of the single elements.

However it has to be considered, that the fewer elements are used to spread the sound to a specific area, the stronger must be the curving of them. That's how the effect of optimised SPL distribution is managed.



Groundstacking

In case there are no possibilities to fly the system or the ceiling of the venue is not high enough, the DRK-10 can be used for groundstacking too.

A special bracket provides an inclination up to 7.5°.

The DRK-10 fits exactly onto the surface of an upright positioned DVA S20 subwoofer and can be mounted by two quick release pins on top of the sub.

The combination of a DVA S10 subwoofer and a DSA-4 pole mount adaptor holding up to three DVA T4 mid-/high-range units is a great solution for smaller applications and for delay zone sound reinforcement.

The continuously adjustable DSA-4 adaptor lets you aim the mid-/high-range units.



Flying the cabinets

The DVA T4 comes with precisely engineered flying hardware.

The hardware in combination with the extremely low weight of a T4 top allows easy and fast setup of the whole system. The curving can be adjusted in steps of 2.5° within a range of 0° and 15°. For an optimum of performance the system should be principally flown.

The DRK-10 flying frame holds up to 16 T4. For professional handling the frame is well balanced and the angle of inclination can be corrected with the upper rear flying rails.

The DSA-4 adapter attaches to the bottom cabinet and secures the rig to the truss with half-couplers and a pipe. We recommend using this adapter to prevent the stack from twisting and swinging.

The combination of DVA S10 subwoofers and DVA T4 mid-/high-range units in a flown array packs a mighty fullrange punch with serious SPL. This setup is the preferred configuration in venues where you are unable to place bass bins on the floor or where you wish to cover bleachers or balconies.

Handling, stacking, and flying the DVA T4

The DVA T4 Line-Array element has a sensational weight of only 13,8kg. The obvious advantage for handling and transport also makes flying possible where under normal circumstances the trussing is not strong enough to support also flying of the audio devices an Array of six T4 Tops therefore weighs less than 100 kg.

For system dimensioning please refer to DVA Composer simulation software.



Digital Vertical Array



The new DRK-20M is the first motorized fly bar in the world for line array systems.

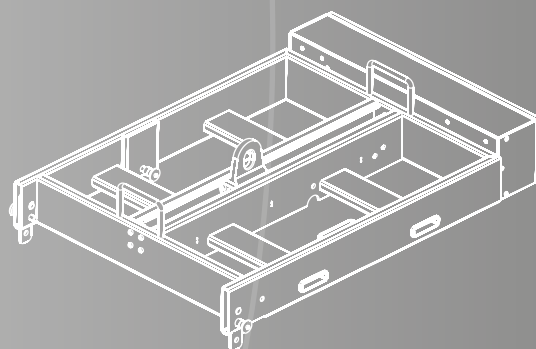
Equipped with a system that modifies the clusters focal point, it is possible to adjust the inclination of the sound system in any moment without having to lower the loudspeakers; this makes it possible to change the sound coverage, when necessary, even during the event.

This system can be directed from RDNet or by simply using a manual remote control connected with a standard XLR cable.

DRK-20M

Full of Technology

- MOTORIZED FLYBAR
- ACCELEROMETER ON BOARD
- REAL TIME DATA USING RDNET SOFTWARE
- MANUAL REMOTE CONTROL
- SAME WEIGHT CAPACITY OF DRK-20
- EXTREMELY ACCURATE 0,5° AIMING RESOLUTION

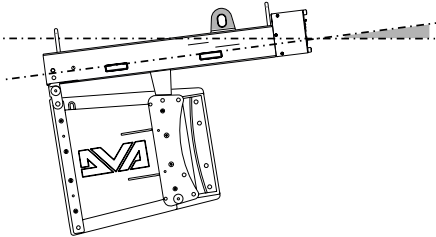
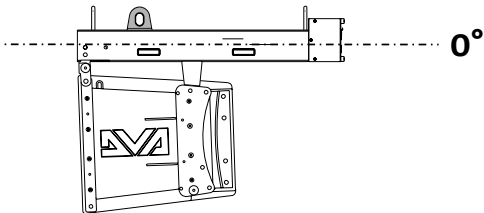
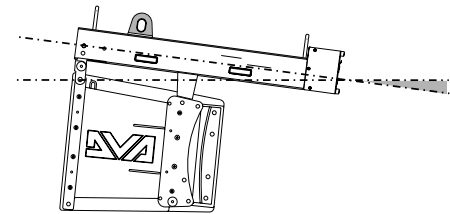


dBTechnologies

DRK-20M

Motorized Rigging Frame

**NEW
PRODUCT
2013**

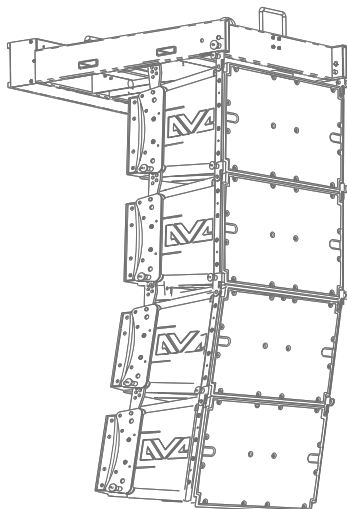


The New DRK-20M

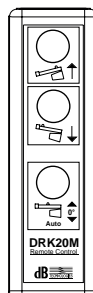
The new DRK-20 M is also equipped with an RD_NET interface, in order to control each of its functions through a computer and monitor its position in real time.

The new motorized Fly bar is also very useful in facilitating the installation of line array modules by adjusting the clusters inclination progressively, as each single modules' applied angles vary.

Thanks to its solid structure in special steel, it is possible to hang speakers of the DVA series with a weight of up to 1000kg, TUV certified.



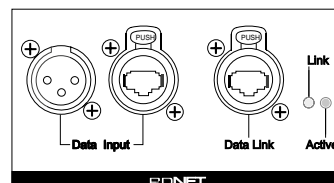
**Remote Control
Manual Mode**



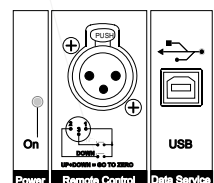
RDNet Control Mode (Plug in)



RDNet Connections



Remote Control Connections





Digital Vertical Array

DVA bass bins are loaded with state-of-the-art, **high-performance subwoofers**.

Equipped with powerful woofers with voice coils with diameters up to 4", these units' load **handling capacity is extremely high, and their transient response is remarkably faithful**.

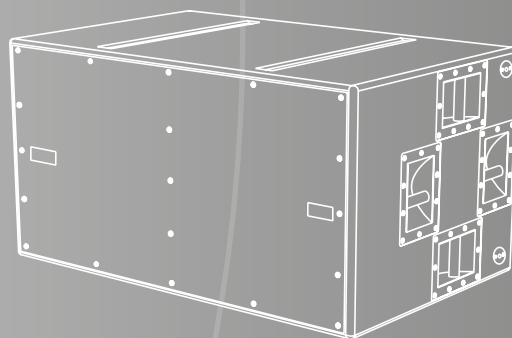
The **dual ventilation system** minimizes heat buildup and power compression while helping to maximize loading handling capacity and reliability.

The woofers feature a fiberglass-reinforced diaphragm, an exceedingly robust triple-roll surround, and a geometrically optimized cone. All this culminates in **peak-to-peak excursion capabilities ranging up to 48 mm**.

SUBWOOFER

Full of Technology

- VARIABLE CROSSOVER FREQUENCIES
- PRECISE LIMITER FUNCTIONS
- ON BOARD DELAY FOR PERFECT TIME ALIGNMENT
- PRESET FOR CONFIGURING CARDIOID SYSTEMS
- SETTINGS ACCESSIBLE VIA A ROTARY ENCODER
- X-OVER OUT
- RDNET NETWORK PORT



dBTechnologies

High Performance Subwoofer Systems

These subwoofers are driven by **digipro®G2** digital power amps with up to 3000W output. Digipro®G2 technology is so very efficient that it does not require fans. With no moving parts to tend to, these amps are altogether maintenance-free.

Equipped with **PFC switched-mode power supplies**, they are largely impervious to line voltage fluctuations, which is a tremendous asset in a touring rig.

Our network-enabled DVA subwoofers are designated by an “N” in the product name. **They feature a premium-quality DSP boasting excellent audio specs with variable crossover frequencies, precise limiter functions and adjustable delay settings for perfect time alignment.**

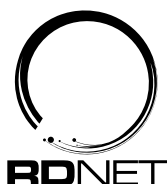
A special preset makes it easy to set up cardioid systems with enhanced directivity. Settings are readily adjusted using the rear-mounted rotary encoder. **The DSP also provides an X-Over output for connecting satellites (in stereo on S08 and S09 units).**

Factory-equipped with an **RDnet port**, these subwoofers are ready for integration into elaborate, remotely controlled and monitored DVA T12 sound reinforcement systems via RJ45 inputs and outputs that connect the units to the RDnet hub.

Made of sturdy birch multiplex covered in robust black textured lacquer, the subwoofer housing is fronted with a rugged speaker grille. The enclosure is easy to tote with its comfortable carrying handles.

Optional dust covers protect it on the go. With 16 threaded bushings each on their rear panels, the S09, S10, S30N, S1518N, 1521N and S20 bins are ready to accept Blue Wheels. Retrofitted with the appropriate fly kit, S09, S10, 1518N and 2585N subwoofers are easily rigged and flown.

- **High-performance bass woofers**
- **High-performance digipro®G2 Class-D power amp**
- **High-quality DSP and RDnet**
- **Built tough for touring**



DVA S30N Subwoofer, 2x18" Bassreflex Horn Loaded

Featuring a dual 18" subwoofer pairing in a bass reflex housing, the DVA S30 packs a muscular, ultra lowfrequency punch.

It delivers very powerful performance indeed with a range extending down to the lowest frequencies.

This sub-bass powerhouse is the perfect addition to large PAs and an excellent complement to DVA T12 mid-/high-range units in stacked arrays.

Bass reflex horn housing

This **sophisticated hybrid design** brings together the benefits of bass reflex and horn systems in a compact housing engineered to render low frequencies with high SPL.

The two baffle boards are arrayed in the form of a V. They guide the central bass reflex channel's sound energy into the horn's port. This funneling action is smooth and uniform, greatly increasing its range.

The **high-quality birch** multiplex housing is covered in robust black textured lacquer and equipped with eight grips.

On the back is a transport dolly that removes easily via quick-release pins to keep the wheels from rattling.



DVA S30 N

Technical Data

Speaker Type: Active Bassreflex-Horn Subwoofer

Acoustical data

Frequency Response [\pm 3dB]: 30 - 120 Hz

Max SPL: 141 dB

Directivity: Omnidirectional, Cardiod Option with DSP setup

LF: 2x18 "

Voice Coil LF: 4 "

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class D

Power Supply: 3 kW SMPS

LF Amp: 3000 W RMS

Cooling: Convection

Processor

Controller: DSP 56 bit

AD/DA Converter: DSP 24 bit/48 kHz

System Presets: X-Over, Delay

Phase: 0, 180 °

Limiter: RMS, Peak, Thermal

Delay Option: 0-4.5 ms internal

Crossover Frequency LF-MF: 75-120Hz |steps of 5Hz

LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Rectangular

Handles: 4x Per Side

Accessory: Dolly, Wheels 100mm, Dust Cover, Rain Cover

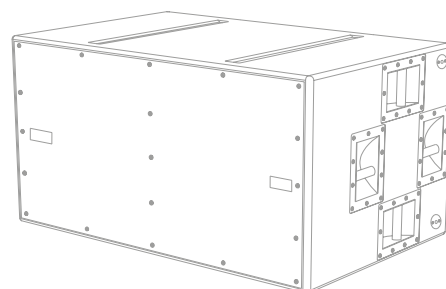
Rigging Points: 2xPick Points on top to fix DRK10/20 rigging frames

Width: 1100 mm (44 in)

Height: 580 mm (23.2 in)

Depth: 720 mm (28.8 in)

Weight: 83 kg (182.98 lbs)





DVA S1521 N

Technical Data

Speaker Type: Active Bassreflex-Subwoofer

Acoustical data

Frequency Response [\pm 3dB]: 30 - 105 Hz

Max SPL: 139 dB

Directivity: Omnidirectional, Cardiod Option with DSP setup

LF: 21"

Voice Coil LF: 4.5"

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class D

Power Supply: 1.5 kW SMPS

LF Amp: 1500 W RMS

Cooling: Convection

Processor

Controller: DSP 56 bit

AD/DA Converter: 24bit/ 96 kHz

System Presets: X-Over, Delay

Phase: 0, 180°

Limiter: RMS, Peak, Thermal

Delay Option: 0-4.5 ms internal

Crossover Frequency LF-MF: 60-105Hz |steps of 5Hz

LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Rectangular

Handles: 3x Per Side

Accessory: Dolly, Wheels 100mm,
Dust Cover, Rain Cover

Pole Mount: M20

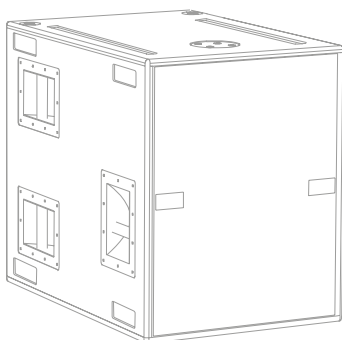
Rigging Points: 2xPick Points on top to fix
DRK10/20 rigging frames

Width: 580 mm (23.2 in)

Height: 800 mm (32 in)

Depth: 720 mm (28.8 in)

Weight: 52.5 kg (115.74 lbs)



DVA S1521N Subwoofer, 21" Bassreflex

The DVA S1521N is a powered 21" subwoofer housed in a bass reflex enclosure that we tuned for accurate, ultra low-frequency response.

It readily integrates into large DVA and DVX Series PA systems as a sub-bass unit or as a stacked subwoofer.

Made of durable birch multiplex housing covered in robust black textured lacquer, the high-quality housing provides six carrying handles, an M20 pole mount, and bushings on the rear panel that accept casters. Pick-points for attaching DRK-10 and DRK-20 harnesses are built into the top panel to enable easy, safe stacking.

Top-notch 21" woofer

Serving as the unit's transducer is a **state-of-the-art 21" woofer with 4.5" voice coil.**

This combination of high-quality materials and sophisticated magnetic drivers fields some pretty impressive results.

Even very low bass frequencies are rendered with pinpoint precision and hairtrigger transient response, treating audiences to a breathtaking audio experience.





DVA S1518N Subwoofer, 18", Bandpass

The DVA S1518N is a bandpass subwoofer based on the DVA S10, but with 50 percent higher power amp output, an integrated DSP, and an RDnet link.

A remarkably versatile subwoofer, it delivers tight and punchy bass response that supports and transitions smoothly to satellites' lower midrange frequencies.

The DVA S1518N is equipped with a next-generation, 18" woofer driven by a built-in 1500W digipro® G2 digital power amp.

Subwoofer arrays are easily flown using the optional SRK10 rigging hardware retrofit.

The S1518N will also serve you well in compact stacks paired with DVA T12, T8 and T4 units or DVX Series enclosures.



DVA S1518 N

Technical Data

Speaker Type: Active Bandpass Subwoofer

Acoustical data

Frequency Response [+/- 3dB]: 39 - 120 Hz

Max SPL: 138 dB

Directivity: Omnidirectional, Cardiod Option with DSP setup

LF: 18 "

Voice Coil LF: 4 "

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class D

Power Supply: 1.5 kW SMPS

LF Amp: 1500 W RMS

Cooling: Convection

Processor

Controller: DSP 56 bit

AD/DA Converter: 24bit/ 96 kHz

System Presets: X-Over, Delay

Phase: 0, 180 °

Limiter: RMS, Peak, Thermal

Delay Option: 0-4.5 ms internal

Crossover Frequency LF-MF: 75-120Hz |steps of 5Hz

LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Rectangular

Handles: 3x Per Side

Accessory: Dolly, Wheels 100mm, Dust Cover, Rain Cover

Pole Mount: M20

Rigging Points: integrated for SRK10 fly kit

2xPick Points on top to fix

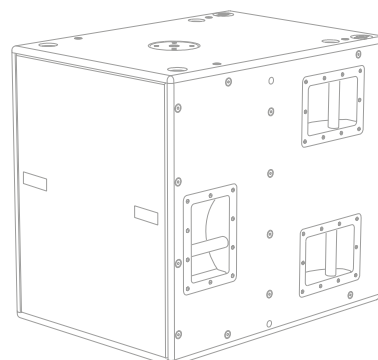
DRK10/20 rigging frames

Width: 515 mm (20.6 in)

Height: 640 mm (25.6 in)

Depth: 720 mm (28.8 in)

Weight: 46 kg (101.41 lbs)





DVA S2585 N

Technical Data

Speaker Type: Active Cardioid-Subwoofer

Acoustical data

Frequency Response [+/- 3dB]: 35 - 120 Hz

Max SPL: 140 dB

Directivity: Cardioid

LF: 18"+15"

Voice Coil LF: 4"

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class D

Power Supply: 2.5 kW SMPs

LF Amp: 2500 W RMS

Cooling: Convection

Processor

Controller: DSP 56 bit

AD/DA Converter: 24bit/ 96 kHz

System Presets: X-Over, Delay

Phase: 0, 180°

Limiter: RMS, Peak, Thermal

Delay Option: 0-4.5 ms internal

Crossover Frequency LF-MF: 75-120Hz | steps of 5Hz

LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Rectangular

Handles: 3x Per Side

Accessory: Dolly, Dust Cover, Rain Cover

Pole Mount: M20

Rigging Points: integrated for SRK10 fly kit

2x Pick Points on top to fix

DRK10/20 rigging frames

Width: 515 mm (20.6 in)

Height: 640 mm (25.6 in)

Depth: 1000 mm (40 in)

Weight: 65 kg (143.3 lbs)



DVA S2585N Subwoofer, 18"+ 15", Cardioid

The DVA S2585N is a compact subsystem featuring a cardioid layout designed for utmost directivity.

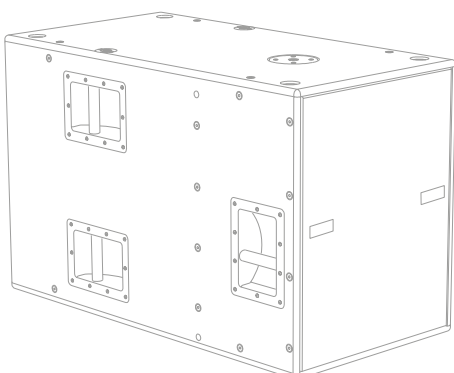
The system consists of two separate chambers, one loaded with a forward facing 18" woofer and another with a rearward facing 15" woofer. The integrated digipro®G2 digital power amps provide 2500W total output power. The high-quality DSP filters signals and controls the speakers to deliver a remarkably authentic audio image and faithful transient response.

The housing is ready to fly with the optional SRK10 Rigging Kit is all it takes to put up flown cardioid sub arrays.

Cardioid- Design

Many systems lack low-frequency directivity and, as a result, are plagued by interference and annoying noise.

The S2585N, in contrast, was engineered specifically for enhanced low-frequency directivity. And it not only sounds great, it is also easy to handle and transport.





DVA S20DP Subwoofer, 2 x 18" Bassreflex

Featuring a dual 18" subwoofer pairing in a bass reflex housing, the DVA S20 delivers powerful performance, rendering frequencies as low as 25 hertz assertively and with impressive authority.

It is the perfect sub-bass provider for DVA S10/T4 systems and an excellent complement to DVA T4 mid-/high-range units in stacked arrays.

Thanks to the integrated Quick-Release-Pins, both DRK-10 and DRK-20 frames can be easily mounted to set up a ground stacked system.

DVA S20 DP

Technical Data

Speaker Type: Active Bassreflex Subwoofer

Acoustical data

Frequency Response [+/- 3dB]: 35 - 120 Hz

Max SPL: 138 dB

Directivity: Omnidirectional, Cardiod Option with SDD Module

LF: 2x18"

Voice Coil LF: 4"

Amplifier

Amp Technology: Digipro®

Amp Class: Class D

LF Amp: 2000 W RMS

Cooling: Convection

Processor

Controller: Analog

Phase: 0, 180°

Limiter: RMS, Peak, Thermal

Delay Option: SDD Module

Crossover Frequency LF-MF: 90, 120 Hz

LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Rectangular

Handles: 4x Per Side

Accessory: Wheels 100mm, Dust Cover

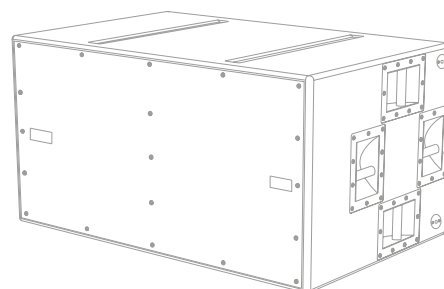
Rigging Points: 2xPick Points on top to fix DRK10/20 rigging frames

Width: 1100 mm (44 in)

Height: 580 mm (23.2 in)

Depth: 720 mm (28.8 in)

Weight: 84 kg (185.19 lbs)





DVA S10 DP

Technical Data

Speaker Type: Active Bandpass Subwoofer

Acoustical data

Frequency Response [+/- 3dB]: 40 - 120 Hz

Max SPL: 136 dB

Directivity: Omnidirectional, Cardioid Option with SDD Module

LF: 18 "

Voice Coil LF: 4 "

Amplifier

Amp Technology: Digipro®

Amp Class: Class D

LF Amp: 1000 W RMS

Cooling: Convection

Processor

Controller: Analog

Phase: 0, 180 °

Limiter: RMS, Peak, Thermal

Delay Option: SDD Module

Crossover Frequency LF-MF: 90, 120 Hz

LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Rectangular

Color: Black, White

Handles: 3x Side

Pole Mount: 1x M20

Rigging Points: integrated for SRK10 fly kit

2xPick Points on top to fix

DRK10/20 rigging frames

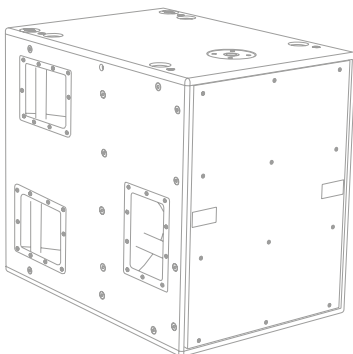
Accessory: Wheels 100mm, Dust Cover, Rain Cover

Width: 515 mm (20.6 in)

Height: 640 mm (25.6 in)

Depth: 720 mm (28.8 in)

Weight: 48 kg (105.82 lbs)



DVA S10DP Subwoofer, 18" Bandpass

The bandpass subwoofer DVA S10 is equipped with a single 18" woofer of the newest generation, driven by a 1000W digitalpower amp.

Using the optionally available flyware, up to two DVA S10DP can be flown mounted to the DRK-10 rigging kit.

Further the DVA S10 can be used as a compact PA system together with either 3x DVA T4 on a speaker pole or 2x DVA S10 and 4-6 DVA T4 as a Groundstack.

Cardioid setup with the SDD module

A cardioid setup comprising the SDD module and two or three DVA S10 subwoofers on each side keeps levels down on stage and affords you far greater control over low-frequency coverage in the audience area.

Never before has this innovative solution – which until today required much greater effort and more elaborate gear – been so easy to achieve with such professional results.





DVA S09 Subwoofer.

A remarkably compact 15" subwoofer in a band-pass design, the DVA S09 DP delivers true, tight, and punchy bass response. With a height of just 44 cm, it can be flown above DVA T4 modules to keep the rig's footprint inconspicuous.

The S09 comes with two features that make it the perfect base for a high-quality satellite system, for example, when paired with the DVX D10. One is an integrated active stereo crossover with two cutoff frequencies to choose from, 90Hz and 120Hz. The other is a phase inversion switch. One PowerCon socket connects to the mains power supply, while two PowerCon outputs connect satellites.

SRK-09 Fly Kit

Retrofitted with the optional SRK-09 fly kit, the DVA S09 DP subwoofer is easily rigged to a DRK-10 harness and flown alongside further DVA T4 mid-/high-range units.

DVA S09 DP

Technical Data

Speaker Type: Active Bandpass Subwoofer

Acoustical data

Frequency Response [\pm 3dB]: 45 - 120 Hz

Max SPL: 134 dB

Directivity: Omnidirectional

LF: 15 "

Voice Coil LF: 4 "

Amplifier

Amp Technology: Digipro®

Amp Class: Class D

LF Amp: 1000 W RMS

Cooling: Convection

Processor

Controller: Analog (Stereo)

Phase: 0, 180 °

Limiter: RMS, Peak, Thermal

Delay Option: NO

Crossover Frequency LF-MF: 90, 120 Hz

LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Rectangular

Color: Black, White

Handles: 2x Side

Pole Mount: 1x M20

Rigging Points: 2x Pick Points on top to fix DRK10/20 rigging frames

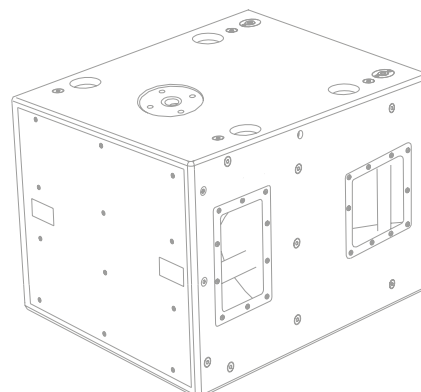
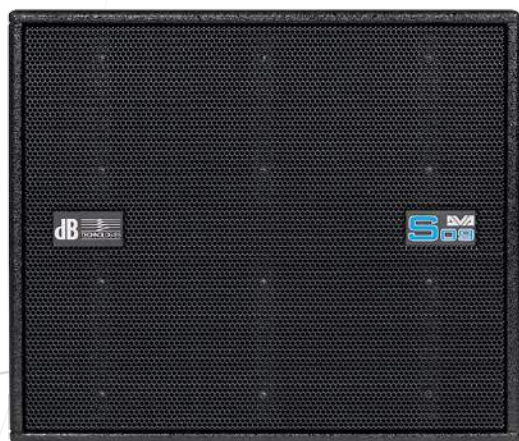
Accessory: Wheels 100mm, Dust Cover, Rain Cover

Width: 515 mm (20.6 in)

Height: 440 mm (17.6 in)

Depth: 720 mm (28.8 in)

Weight: 37.5 kg (82.67 lbs)





DVA S08

Technical Data

Speaker Type: Active Bassreflex Subwoofer

Acoustical data

Frequency Response [+/- 3dB]: 40 - 150 Hz

Max SPL: 131 dB

Directivity: Omnidirectional

LF: 12 "

Voice Coil LF: 3 "

Amplifier

Amp Technology: Digipro®

Amp Class: Class D

LF Amp: 800 W RMS

Cooling: Convection

Processor

Controller: Digital + Analog (Stereo)

Phase: 0, 180 °

Limiter: RMS, Peak, Thermal

Delay Option: NO

Crossover Frequency LF-MF: 90, 120 Hz

LF-Xover out slope: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Rectangular

Handles: 1x on top

Pole Mount: 2x M20

Accessory: Dust Cover

Width: 360 mm (20.8 in)

Height: 520 mm (14.4 in)

Depth: 500 mm (20 in)

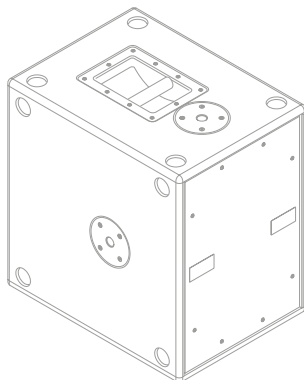
Weight: 23 kg (50.71 lbs)



S08 Subwoofer.

The DVA S08 dp is a remarkably compact 12" high power active bassreflex subwoofer for professional applications and to satisfy upmarket requirements.

It delivers a high momentum and at the same time reproduces a punchy low end. Equipped with a 800W/RMS digipro® digital power amp including switch mode supply, this unit provides a high sound pressure level of up to 131dB. Furthermore there is a powercon in- and out for mains connection.





DVX D8 HP
DVX D10 HP
DVX D12 HP
DVX D15 HP
DVX DM28
DVX DM12
DVX DM15

Digital Active Speakers



dBTechnologies

2-Way Power

Active Speakers

The DVX series combines dBTechnologies' new digipro®G2 power amp technology and state-of-the-art transducers to raise the bar several notches for sound pressure, performance, and response.

Boasting an impressive feature set comprising high quality input board, multifunctional birch multiplex housings equipped with rigging points and rails, flexible configuration options, and an unrivalled price-to-performance ratio, DVX systems are discerning professionals' go-to solutions for a vast range of applications.

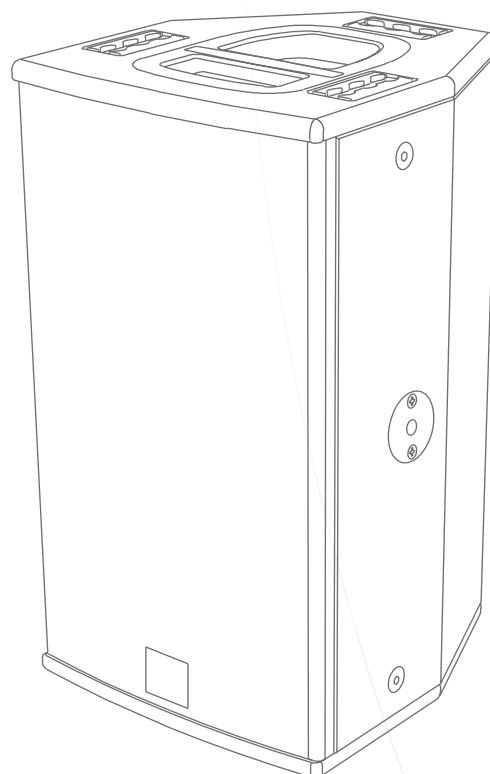
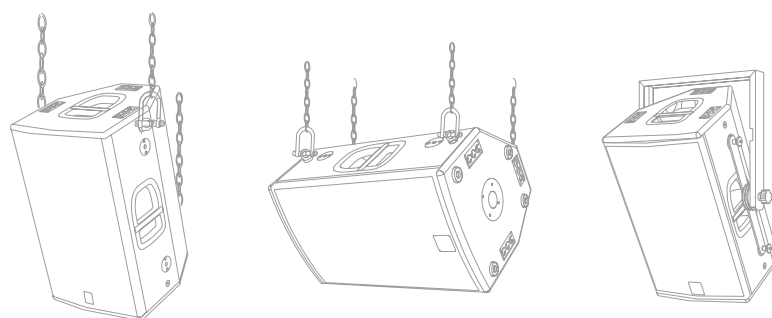
Alongside the four multifunctional two-way systems, the DVX line also comprises the three DM28, DM12, and DM15 low-profile stage monitors. All models feature high-quality loudspeaker chassis, Innovative, high-performance dBTechnologies digipro®G2 power amps deliver impressive 900W each to drive these advanced speakers.

Specially designed, rotatable high-frequency horns provide very clean and constant directivity. All highfrequency horns are made of aluminum to help keep their drivers cool.

The integrated DSP carries out various tasks involved in controlling digipro®G2 power amps, serving as an active equalizer, x-over, high-pass filter, as well as performing audio setup tasks, aligning phases and delay time, and controlling the limiter to ensure utmost reliability and operating safety.

All DVX Series models come in a professional-grade birch multiplex housing equipped with PowerCon mains connectors and a rugged metal grille backed with laminated acoustic foam rubber. D12 HP and D15 HP models feature high-quality aluminum grips, a pole mount, and a rigging system. DM12 and DM15 monitors are also equipped with a pole mount.

- **Versatile and robust**
- **DVX Multifunctional Systems**
- **High-quality speaker components**
- **Entire Active System Design EASD™**





DVX D8 HP

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 75 - 20.000 Hz

Frequency Response [+/- 3dB]: 100 - 19.000 Hz

Max SPL: 125 dB

HF: 1 "

Voice Coil HF: Titanium 1.7 "

Directivity: 90x70 °

Horn: CD Horn Aluminium

Rotatable Horn: YES

LF: 8 "

Voice Coil LF: 2 "

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class D

Power RMS: 400 W

Peak Power: 800 W

Processor

Controller: DSP 24 Bit/48 kHz

System Presets: Flat, Monitor

Limiter: RMS, Peak, Thermal, Multiband

Crossover Frequency MF-HF: 1800 Hz

Mechanics

Housing: Multiplex birch plywood

Housing Design: Multifunctional

Angles Up: Monitor use 45 °

Rigging Points: 6x M8 2x 10mm Quick Release
for DTF-bracket

Width: 250 mm (10 in)

Height: 425 mm (17 in)

Depth: 260 mm (10.4 in)

Weight: 9.7 kg (21.38 lbs)



DVX D10 HP

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 70 - 20.000 Hz

Frequency Response [+/- 3dB]: 85 - 19.000 Hz

Max SPL: 127 dB

HF: 1 "

Voice Coil HF: Titanium 1.7 "

Directivity: 90x70 °

Horn: CD Horn Aluminium

Rotatable Horn: YES

LF: 10 "

Voice Coil LF: 2.5 "

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class D

Power RMS: 600 W

Peak Power: 1200 W

Processor

Controller: DSP 24 Bit/48 kHz

System Presets: Flat, Monitor

Limiter: RMS, Peak, Thermal, Multiband

Crossover Frequency MF-HF: 1600 Hz

Mechanics

Housing: Multiplex birch plywood

Housing Design: Multifunctional

Angles Up: Monitor use 45 °

Rigging Points: 6x M8 2x 10mm Quick Release
for DTF-bracket

Flytracks: 3x on top 3x on bottom

Width: 290 mm (11.6 in)

Height: 510 mm (20.4 in)

Depth: 310 mm (12.4 in)

Weight: 15.8 kg (34.83 lbs)





DVX D12 HP

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 55 - 20.000 Hz
 Frequency Response [+/- 3dB]: 68 - 19.000 Hz
 Max SPL: 131 dB
 HF: 1.4 "
 Voice Coil HF: 2.5 "
 Directivity: 60x40 °
 Horn: CD Horn Aluminium
 Rotatable Horn: YES
 LF: 12 "
 Voice Coil LF: 3 "

Amplifier

Amp Technology: Digipro® G2
 Amp Class: Class D
 Power RMS: 700 W
 Peak Power: 1400 W

Processor

Controller: DSP 24 Bit/48 kHz
 System Presets: FOH, Monitor
 Limiter: RMS, Peak, Thermal, Multiband
 Crossover Frequency MF-HF: 1350 Hz

Mechanics

Housing: Multiplex birch plywood
 Housing Design: Multifunctional
 Angles Up: Monitor use 45 °
 Rigging Points: 6x M10 4x Quick-Release Pins
 Flytracks: 3x on top 3x on bottom
 Width: 370 mm (14.8 in)
 Height: 625 mm (25 in)
 Depth: 395 mm (15.8 in)
 Weight: 27.5 kg (60.63 lbs)



DVX D15 HP

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 49 - 20.000 Hz
 Frequency Response [+/- 3dB]: 57 - 19.000 Hz
 Max SPL: 132 dB
 HF: 1.4 "
 Voice Coil HF: Titanium 2.5 "
 Directivity: 60x40 °
 Horn: CD Horn Aluminium
 Rotatable Horn: YES
 LF: 15 "
 Voice Coil LF: 3.5 "

Amplifier

Amp Technology: Digipro® G2
 Amp Class: Class D
 Power RMS: 700 W
 Peak Power: 1400 W

Processor

Controller: DSP 24 Bit/48 kHz
 System Presets: FOH, Monitor
 Limiter: RMS, Peak, Thermal, Multiband
 Crossover Frequency MF-HF: 1320 Hz

Mechanics

Housing: Multiplex birch plywood
 Housing Design: Multifunctional
 Angles Up: Monitor use 45 °
 Rigging Points: 6x M10 4x Quick-Release Pins
 Flytracks: 3x on top 3x on bottom
 Width: 430 mm (17.2 in)
 Height: 690 mm (27.6 in)
 Depth: 450 mm (18 in)
 Weight: 30.3 kg (66.8 lbs)



DM



Stage Monitor

Unlike conventional multifunctional speakers, the DVX DM is a prograde performer developed specifically for use as a floor monitor.

Optimized to resist feedback even at extremely high levels, it delivers the true-to-nature response and dynamic balance that today's artists demand.



The integrated digipro® digital power amps deliver the requisite output. The switched mode power supplies with PFC ensure touring rigs get all the juice they need to perform at their peak even when a venue's mains power is weak and voltage is low.

The onboard controller encompasses an active equalizer, active x-over including phase and time alignment, limiters, and switchable system presets that adapt the monitor's performance to suit the given application. Made of rugged multiplex and coated with tough black lacquer, the cabinet sets up at two different angles.



Specially designed, rotatable high-frequency horns provide very clean and constant directivity. By rotating the horn, the directivity of high frequencies can be adjusted, intended if the cabinet is mounted horizontally or vertically.

A great and professional feature for fixed install purposes or when a multifunctional speaker is used as stage monitor.

DVX DM28

Technical Data

Speaker Type: 2-Way Active Stage Monitor

Acoustical data

Frequency Response [-10dB]: 60 - 20,000 Hz

Frequency Response [+/- 3dB]: 70 - 19,000 Hz

Max SPL: 130 dB

HF: 1"

Type HF: Neodymium Compression Driver

Voice Coil HF: Titanium 1.75"

Directivity: 90x60/40°

Horn: Asymmetrical

LF: 2x8"

Type LF: Neodymium

Voice Coil LF: 2.5"

Amplifier

Amp Technology: Digipro®

Amp Class: Class D

Power RMS: 750 W

Peak Power: 1500 W

Cooling: Convection

Processor

Controller: DSP 24 Bit/48 kHz

System Presets: Flat, Monitor

Limiter: RMS, Peak, Thermal, Multiband

Crossover Frequency MF-HF: 1600 Hz

Slope MF-HF: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood

Housing Design: Low Profile Multifunctional

Angles Up: 30°, 60°

Width: 480 mm (19.2 in)

Height: 265 mm (10.6 in)

Depth: 418 mm (16.72 in)

Weight: 14 kg (30.86 lbs)





DVX DM12

Technical Data

Speaker Type: 2-Way Active Stage Monitor

Acoustical data

Frequency Response [-10dB]: 55 - 20.000 Hz
 Frequency Response [+/- 3dB]: 68 - 19.000 Hz
 Max SPL: 131 dB
 HF: 1.4 "
 Type HF: Neodymium Compression Driver
 Voice Coil HF: Titanium 2.5 "
 Directivity: 40x90 °
 Horn: CD Horn Aluminium
 Rotatable Horn: YES
 LF: 12 "
 Type LF: Neodymium
 Voice Coil LF: 3 "

Amplifier

Amp Technology: Digipro®
 Amp Class: Class D
 Power RMS: 750 W
 Peak Power: 1500 W
 Cooling: Convection

Processor

Controller: DSP 24 Bit/48 kHz
 System Presets: Flat, Monitor
 Limiter: RMS, Peak, Thermal, Multiband
 Crossover Frequency MF-HF: 1350 Hz
 Slope MF-HF: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood
 Housing Design: Multifunctional
 Angles Up: 35°, 55 °
 Rigging Points: 6x M10 4x Quick-Release Pins
 Width: 660 mm (14.8 in)
 Height: 305 mm (25 in)
 Depth: 378 mm (15.8 in)
 Weight: 17,5 kg (55.12 lbs)

DVX DM15

Technical Data

Speaker Type: 2-Way Active Stage Monitor

Acoustical data

Frequency Response [-10dB]: 50 - 20.000 Hz
 Frequency Response [+/- 3dB]: 59 - 19.000 Hz
 Max SPL: 132 dB
 HF: 1.4 "
 Type HF: Neodymium Compression Driver
 Voice Coil HF: Titanium 2.5 "
 Directivity: 60x40 °
 Horn: CD Horn Aluminium
 Rotatable Horn: YES
 LF: 15 "
 Type LF: Neodymium
 Voice Coil LF: 3.5 "

Amplifier

Amp Technology: Digipro®
 Amp Class: Class D
 Power RMS: 750 W
 Peak Power: 1500 W
 Cooling: Convection

Processor

Controller: DSP 24 Bit/48 kHz
 System Presets: Flat, Monitor
 Limiter: RMS, Peak, Thermal, Multiband
 Crossover Frequency MF-HF: 1320 Hz
 Slope MF-HF: 24 dB/Octave

Mechanics

Housing: Multiplex birch plywood
 Housing Design: Low Profile Multifunctional
 Angles Up: 35°, 55 °
 Rigging Points: 6x M8
 Width: 734 mm (29.36 in)
 Height: 338 mm (13.52 in)
 Depth: 442 mm (17.68 in)
 Weight: 21 kg (46.3 lbs)



Σ **SIGMA** *Series*

SIGMA S215
SIGMA S115
SIGMA S118

Digital Active Speakers & Sub



dBTechnologies

Quasi 3-Way Active Speaker

SIGMA S215

Technical Data

Speaker Type: Quasi 3-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 42 - 20.000 Hz

Max SPL: 139 dB

HF: 1.4 "

Type HF: Titanium Compression driver

Voice Coil HF: 2.8"

Directivity: 60 x 40 °

Horn: CD Horn

LF: 2x15" (with phase plug)

Voice Coil LF: 3"

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class D

Power PRG: 1400 W

Peak Power: 2800 W

Processor

Controller: DSP 24bit/48kHz

System Presets: Flat, Boost

Limiter: Dual Active Peak, RMS, Thermal

Crossover Frequency MF-HF: 1100 Hz

Slope MF-HF: 24 dB/Octave

Mechanics

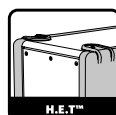
Housing: Multiplex with H.E.T coating, reinforced

Width: 509 mm (20.36 in)

Height: 1215 mm (48.6 in)

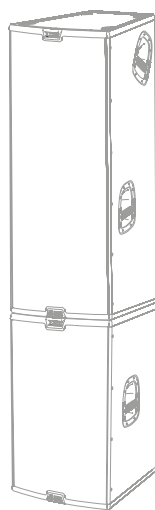
Depth: 533 mm (21.32 in)

Weight: 50 kg (110.23 lbs)



Quasi 3-Way Active Speaker 2 x 15"/1.4", 1400 W

Many venues demand high SPL and low-ranging response. However, a fullrange enclosure is often the only viable option for some of these applications. Loaded with two 15" woofers designed to handle considerable loads, the S215 is the solution of choice for such scenarios.



S118 + S215



H.E.T™ Housing

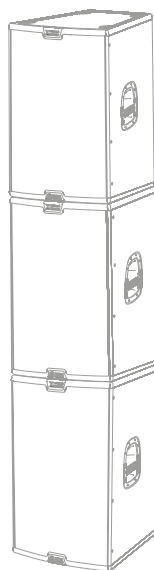
Exceptionally light and remarkably rugged. Developed by dBTechnologies, H.E.T (Hybrid Enclose Technology) housings are made of premium quality multiply wood with a hardwearing, durable, and scratch-resistant coating.

Tough, rugged plastic side panels provide excellent protection for the housing as well as integrated grips and electrical connectors for utmost handling convenience and safety.



2-Way Active Speaker 15"/1.4", 1000 W

This active 15"/ 1.4" two-way system is musicians and DJs' first choice in a fullrange FOH speaker. The S115's reach is remarkable thanks to its assertive midrange, prominent top end, and constant directivity at high sound pressure levels.



2x S118 + S115

SIGMA S115

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 46 - 20.000 Hz

Max SPL: 133 dB

HF: 1.4"

Type HF: Titanium Compression driver

Voice Coil HF: 2.8"

Directivity: 60 x 40 °

Horn: CD Horn

Rotable Horn: YES

LF: 15"

Voice Coil LF: 3"

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class D

Power PRG: 1000 W

Peak Power: 2000 W

Processor

Controller: DSP 24bit/48kHz

System Presets: Flat, Boost

Limiter: Dual Active Peak, RMS, Thermal

Crossover Frequency MF-HF: 1100 Hz

Slope MF-HF: 24 dB/Octave

Mechanics

Housing: Multiplex with H.E.T coating, reinforced

Width: 509 mm (20.36 in)

Height: 765 mm (30.6 in)

Depth: 533 mm (21.32 in)

Weight: 33 kg (72.75 lbs)

Digital processing for professional sound through and through

The integrated digital sound processor allows the final touches to be made to your sound, rounding it out to a warm, natural tone with powerful bass and sparkling high frequencies.

A variety of signal processing presets allows you to achieve your perfect sound with the minimum of fuss.

All in all, the SIGMA series is a fully integrated range of products for professional use, setting a new standard in the field of live amplification and quite unique amongst its competitors.

SIGMA S118

Technical Data

Speaker Type: Active Bassreflex Subwoofer

Acoustical data

Frequency Response [-10dB]: 32 - 110 Hz

Max SPL: 134 dB

HF: 1.4 "

Directivity: omnidirectional

LF: 18 "

Voice Coil LF: 4 "

Amplifier

Amp Technology: Digipro® G2

Amp Class: Class D

Power PRG: 1400 W

Peak Power: 2800 W

Processor

Controller: Analog/Digital

Limiter: Peak, RMS, Thermal

Crossover Frequency: 80-100 Hz (Switchable)

LF-Xover out slope: 24 dB/Octave

Input

Signal Input: XLR

Input Sensitivity [dBu]: -3dBu

Signal Output: 1x XLR X-Over Out/ Link Out

Mechanics

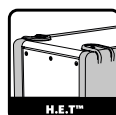
Housing: Multiplex with H.E.T coating, reinforced

Width: 509 mm (20.36 in)

Height: 815 mm (32.6 in)

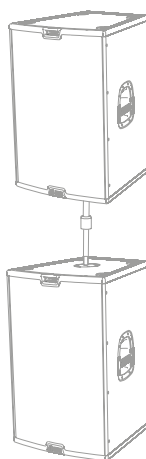
Depth: 533 mm (21.32 in)

Weight: 38 kg (83.78 lbs)



Active Subwoofer 18", 1400 W

The S118 is a powerful, active 18" subwoofer housed in a bassreflex enclosure. Designed specifically to provide low-frequency support for highperformance S115 fullrange speakers, it packs a mighty low-ranging bass punch. S118 and S115 enclosures have the same width so they are easily stacked to set up professional-grade PA systems.



S118 + S115



Engineered for portability

Musicians and DJs who provide their own backline need a reliable sound system that sets up in a flash and is easily tweaked without a lot of fuss. It has to respond directly and predictably to every mix.

Live acts need resilient speakers with lots of load handling capacity and the staying power necessary to operate at high levels for hours on end. The rig has to deliver tight, punchy bass response that gets people dancing as well as assertive mids and a sparkling top end.

And it has to be easy to handle. The SIGMA line does all this and more.



FLEXSYS F8
FLEXSYS F10
FLEXSYS F12
FLEXSYS F15
FLEXSYS F212
FLEXSYS F315
FLEXSYS FM8
FLEXSYS FM10
FLEXSYS FM12

Digital Active Speakers & Monitors



dBTechnologies

2-Way Active Speakers & Monitors

FLEXSYS F8

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 75 - 20.000 Hz
Frequency Response [+/- 3dB]: 90 - 19.000 Hz
Max SPL: 121 dB
HF: 1 "
Type HF: Neodymium compression driver
Directivity: 90/40 x 60 °
Horn: Asymmetrical CD Horn
LF: 8"

Amplifier

Amp Technology: Digipro®
Amp Class: Class D
Power PRG: 400 W
Peak Power: 800 W

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal
Crossover Frequency LF-HF: 2100 Hz
Slope MF-HF: 24 dB/Octave

Mechanics

Housing: Multiplex
Angles Up: Monitor use 40 °
Width: 260 mm (10.4 in)
Height: 420 mm (16.8 in)
Depth: 260 mm (10.4 in)
Weight: 9.5 kg (20.9 lbs)



FLEXSYS F10

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 70 - 20.000 Hz
Frequency Response [+/- 3dB]: 80 - 19.000 Hz
Max SPL: 125 dB
HF: 1 "
Type HF: Neodymium compression driver
Directivity: 90/40 x 60 °
Horn: Asymmetrical CD Horn
LF: 10"

Amplifier

Amp Technology: Digipro®
Amp Class: Class D
Power PRG: 400 W
Peak Power: 800 W

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal
Crossover Frequency LF-HF: 2050 Hz
Slope MF-HF: 24 dB/Octave

Mechanics

Housing: Multiplex
Angles Up: Monitor use 40 °
Width: 300 mm (11.8 in)
Height: 480 mm (18.9 in)
Depth: 300 mm (11.8 in)
Weight: 12 kg (26.46 lbs)





FLEXSYS F12

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 65 - 20.000 Hz
 Frequency Response [+/- 3dB]: 75 - 19.000 Hz
 Max SPL: 127 dB
 Type HF: 1" Compression driver
 Directivity: 90 x 40°
 Horn: CD Horn
 Rotable Horn: YES
 LF: 12"

Amplifier

Amp Technology: Digipro®
 Amp Class: Class D
 Power PRG: 800 W
 Peak Power: 1600 W

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Processed
 Limiter: Dual Active Peak, RMS, Thermal
 Crossover Frequency LF-HF: 1300 Hz

Mechanics

Housing: Multiplex
 Angles Up: Monitor use 45 °
 Width: 360 mm (14.4 in)
 Height: 610 mm (24.4 in)
 Depth: 360 mm (14.4 in)
 Weight: 16.5 kg (36.38 lbs)



FLEXSYS F15

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 55 - 20.000 Hz
 Frequency Response [+/- 3dB]: 60 - 19.000 Hz
 Max SPL: 128 dB
 Type HF: 1" Compression driver
 Directivity: 90 x 40°
 Horn: CD Horn
 Rotable Horn: YES
 LF: 15"

Amplifier

Amp Technology: Digipro®
 Amp Class: Class D
 Power PRG: 800 W
 Peak Power: 1600 W

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Processed
 Limiter: Dual Active Peak, RMS, Thermal
 Crossover Frequency LF-HF: 1800 Hz

Mechanics

Housing: Multiplex
 Angles Up: Monitor use 45 °
 Width: 430 mm (16.9 in)
 Height: 680 mm (26.7 in)
 Depth: 430 mm (16.9 in)
 Weight: 20 kg (44.09 lbs)



FLEXSYS F212

Technical Data

Speaker Type: Quasi 3-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 50 - 20.000 Hz
 Frequency Response [+/- 3dB]: 65 - 19.000 Hz
 Max SPL: 132 dB
 Type HF: 1" neodymium compression driver
 Directivity: 60 x 40 °
 Horn: CD Horn
 Rotable Horn: YES
 LF: 2x12" (with phase plug)

Amplifier

Amp Technology: Digipro®
 Amp Class: Class D
 Power RMS: 1000 W
 Peak Power: 2000 W

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Clustered
 Limiter: Dual Active Peak, RMS, Thermal
 Crossover Frequency LF-HF: 1800 Hz

Mechanics

Housing: Multiplex
 Width: 360 mm (14.4 in)
 Height: 930 mm (37.2 in)
 Depth: 500 mm (20 in)
 Weight: 31.5 kg (69.45 lbs)



FLEXSYS F315

Technical Data

Speaker Type: 3-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 47 - 20.000 Hz
 Frequency Response [+/- 3dB]: 60 - 19.000 Hz
 Max SPL: 131 dB
 Type HF: 1" compression driver
 Directivity: 90 x 40 °
 Horn: CD Horn
 Rotable Horn: NO
 MF: 6.5 "
 Type MF: Hornloaded
 LF: 15"

Amplifier

Amp Technology: Digipro®
 Amp Class: Class D
 Power RMS: 1000 W
 Peak Power: 2000 W

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Processed
 Limiter: Dual Active Peak, RMS, Thermal
 Crossover Frequency LF-HF: 1800 Hz

Mechanics

Housing: Multiplex
 Width: 440 mm (17.3 in)
 Height: 880 mm (34.6 in)
 Depth: 500 mm (20 in)
 Weight: 31 kg (68.34 lbs)





Active Coaxial Stage Monitors

A revolution in live sound reinforcement, the Flexsys FM Series comprises a range of tailored monitoring solutions featuring innovative technologies.

Housed in compact multifunctional enclosures, these units raise the bar for intelligibility, definition, and ease of use. They are the discerning user's first choice when nothing less than the best on-stage monitoring will do.

Remarkably resistant to feedback

These newly developed coaxial speakers deliver extraordinary sound quality that defies the compact design of their housings.

Engineered for precise directivity and uniform throw patterns, they provide the same satisfying audio experience at every listening position, with far greater resistance to feedback.



DSP with eight presets for easy adaptation to varying requirements

FM Series monitors feature a powerful DSP that offers a crossover, digital multiband limiters, phase correction, and eight variable presets that serve to adapt the monitor to the varying demands of vocalists, instrumentalists, and audio playback applications.

FLEXSYS FM8

Technical Data

Speaker Type: 2-Way Active Coaxial Stage Monitor

Acoustical data

Frequency Response [± 3 dB]: 77 - 20.000 Hz

Max SPL: 117 dB

HF: 1"

Type HF: compression driver

Horn: CD Horn

LF: 8"

Amplifier

Amp Technology: Digipack™

Amp Class: Class D

Power PRG: 200 W

Peak Power: 400 W

Processor

Controller: DSP 24bit/48kHz

System Presets: 8 presets

Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Multiplex with H.E.T coating, reinforced

Housing Design: Multifunctional, Low Profile

Angles Up: 2 monitor angles °

Width: 280 mm (11.2 in)

Height: 290 mm (11.6 in)

Depth: 410 mm (16.4 in)

Weight: 9.8 kg (21.61 lbs)



FLEXSYS FM10

Technical Data

Speaker Type: 2-Way Active Coaxial Stage Monitor

Acoustical data

Frequency Response [\pm 3dB]: 72 - 20.000 Hz

Max SPL: 120 dB

HF: 1"

Type HF: compression driver

Horn: CD Horn

LF: 10"

Amplifier

Amp Technology: Digipack™

Amp Class: Class D

Power PRG: 400 W

Peak Power: 800 W

Processor

Controller: DSP 24bit/48kHz

System Presets: 8 presets

Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Multiplex with H.E.T coating, reinforced

Housing Design: Multifunctional, Low Profile

Angles Up: 2 monitor angles °

Width: 370 mm (14.8 in)

Height: 290 mm (11.6 in)

Depth: 410 mm (16.4 in)

Weight: 12.8 kg (28.22 lbs)

FLEXSYS FM12

Technical Data

Speaker Type: 2-Way Active Coaxial Stage Monitor

Acoustical data

Frequency Response [\pm 3dB]: 67 - 20.000 Hz

Max SPL: 126 dB

HF: 1"

Type HF: compression driver

Horn: CD Horn

LF: 12"

Amplifier

Amp Technology: Digipack™

Amp Class: Class D

Power PRG: 600 W

Peak Power: 1200 W

Processor

Controller: DSP 24bit/48kHz

System Presets: 8 presets

Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Multiplex with H.E.T coating, reinforced

Housing Design: Multifunctional, Low Profile

Angles Up: 2 monitor angles °

Width: 450 mm (19.6 in)

Height: 290 mm (11.6 in)

Depth: 410 mm (16.4 in)

Weight: 17 kg (37.48 lbs)



OPERA

BLACK LINE

Series



OPERA 710 BL

OPERA 712 BL

OPERA 715 BL

OPERA 910 BL

OPERA 912 BL

OPERA 915 BL

***Professional** Active Speakers*



dBTechnologies

Professional Active Speakers

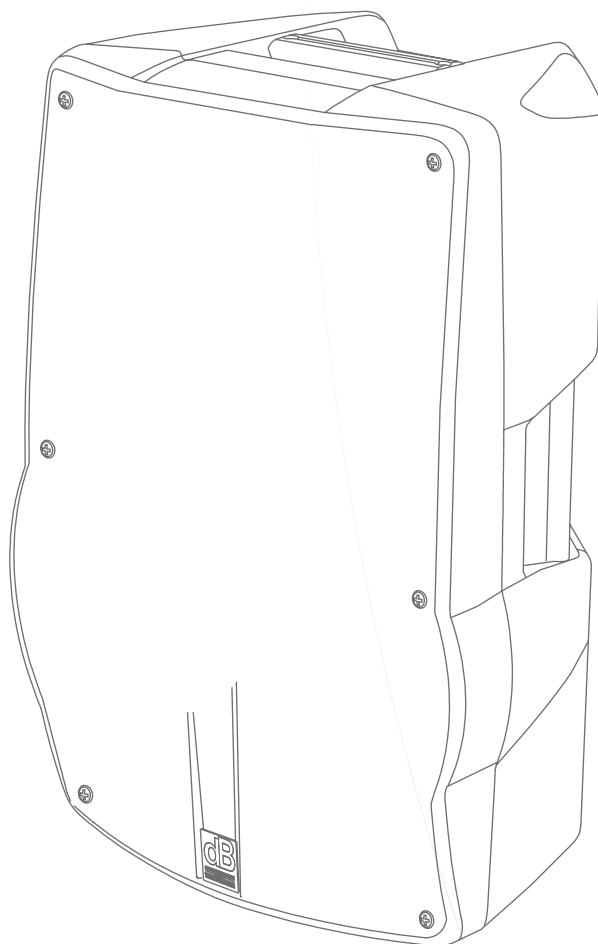
**NEW
PRODUCTS
2013**

The new Opera Black Line series treasures all the technological innovations of the Opera DX family with an original Full Grille look which allows greater air volume inside the box, benefiting low frequency response.

The new and captivating front is backed up by the revision of the controls' firmware which optimizes the system, offering the maximum for a polypropylene reinforced speaker.

Available in two series, 700 or 900 watt with a 12 or 15 inches woofer, for every need.

- ***Engineered to exceed expectations***
- ***Two different equalizations***
- ***Metal steel grille 1.2 mm***
- ***Foam on backside***
- ***Reinforced polypropylene***
- ***3 Handles: two on the side and one on top***
- ***Asymmetrical Horn***
- ***Monitor Angle 43°***





OPERA 710BL

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 61 - 20.000 Hz
Frequency Response [+/- 3dB]: 70 - 19.000 Hz
Max SPL: 127 dB
HF: 1 "
Type HF: Compression driver
Directivity: 80/65 x 60 °
Horn: Asymmetrical CD Horn
LF: 10 "

Amplifier

Amp Technology: digipro®G2
Amp Class: Class D
Power PRG: 700 Watt

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
Angles Up: Monitor use 43 °
Width: 343 mm (13.72 in)
Height: 553 mm (22.12 in)
Depth: 304 mm (12.16 in)
Weight: 11,6 kg (24.25 lbs)

OPERA 712BL

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 59 - 20.000 Hz
Frequency Response [+/- 3dB]: 68 - 19.000 Hz
Max SPL: 128 dB
HF: 1 "
Type HF: Compression driver
Directivity: 80/65 x 60 °
Horn: Asymmetrical CD Horn
LF: 12 "

Amplifier

Amp Technology: digipro®G2
Amp Class: Class D
Power PRG: 700 Watt

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
Angles Up: Monitor use 43 °
Width: 432 mm (17.28 in)
Height: 655 mm (26.2 in)
Depth: 353 mm (14.12 in)
Weight: 15,9 kg (35.05 lbs)

OPERA 715BL

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 49 - 20.000 Hz
Frequency Response [+/- 3dB]: 59 - 19.000 Hz
Max SPL: 129 dB
HF: 1 "
Type HF: Compression driver
Directivity: 80/65 x 60 °
Horn: Asymmetrical CD Horn
LF: 15 "

Amplifier

Amp Technology: digipro®G2
Amp Class: Class D
Power PRG: 700 Watt

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
Angles Up: Monitor use 43 °
Width: 432 mm (17.28 in)
Height: 655 mm (26.2 in)
Depth: 353 mm (14.12 in)
Weight: 16,4 kg (36.15 lbs)



710BL



712BL



715BL

OPERA 910BL

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 60 - 20.000 Hz
Frequency Response [+/- 3dB]: 68 - 19.000 Hz
Max SPL: 129 dB
HF: 1 "
Type HF: Compression driver
Directivity: 80/65 x 60 °
Horn: Asymmetrical CD Horn
LF: 10 "

Amplifier

Amp Technology: digipro®G2
Amp Class: Class D
Power PRG: 900 Watt

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
Angles Up: Monitor use 43 °
Width: 343 mm (13.72 in)
Height: 553 mm (22.12 in)
Depth: 304 mm (12.16 in)
Weight: 11,7 kg (24.25 lbs)

OPERA 912BL

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 55 - 20.000 Hz
Frequency Response [+/- 3dB]: 64 - 19.000 Hz
Max SPL: 130 dB
HF: 1 "
Type HF: Compression driver
Directivity: 80/65 x 60 °
Horn: Asymmetrical CD Horn
LF: 12 "

Amplifier

Amp Technology: digipro®G2
Amp Class: Class D
Power PRG: 900 Watt

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
Angles Up: Monitor use 43 °
Width: 432 mm (17.28 in)
Height: 655 mm (26.2 in)
Depth: 353 mm (14.12 in)
Weight: 18,9 kg (41.66 lbs)

OPERA 915BL

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 48 - 20.000 Hz
Frequency Response [+/- 3dB]: 57 - 19.000 Hz
Max SPL: 131 dB
HF: 1 "
Type HF: Compression driver
Directivity: 80/65 x 60 °
Horn: Asymmetrical CD Horn
LF: 15 "

Amplifier

Amp Technology: digipro®G2
Amp Class: Class D
Power PRG: 900 Watt

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
Angles Up: Monitor use 43 °
Width: 432 mm (17.28 in)
Height: 655 mm (26.2 in)
Depth: 353 mm (14.12 in)
Weight: 19,3 kg (42.54 lbs)



910BL



912BL



915BL

OPERA*DX* Series

OPERA 508 DX

OPERA 510 DX

OPERA 512 DX

OPERA 515 DX

OPERA 710 DX

OPERA 712 DX

OPERA 715 DX

OPERA 910 DX

OPERA 912 DX

OPERA 915 DX

Professional Active Speakers



dBTechnologies

Professional Active Speakers

dBTechnologies has added another chapter to the celebrated Opera Series' 12-year success story: Welcome to the new Opera DX line. Our engineers have again succeeded in treating users to state-of-the-art features and functions unrivalled in this price range.

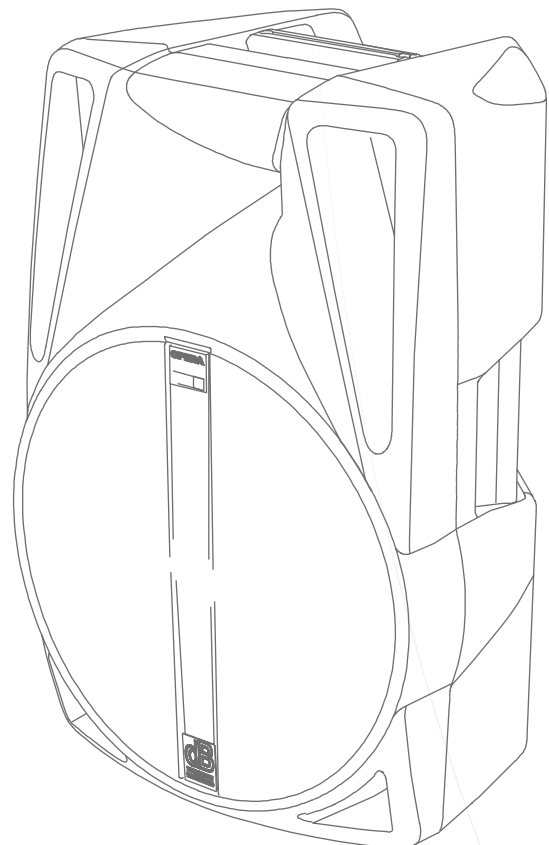
The digipro® G2 digital power amps, DSPs and asymmetrical horns have been tuned to deliver peerless performance. And with that, the three Opera DX 500, 700, and 900 lines provide a tailored solution for every sound reinforcement application.

The secret to the extraordinary performance of products bearing the dBTechnologies brand is the custom design effort that went into each component. These units outperform their rivals because almost every component was developed from the bottom up for the given product.

All components in an OPERA system are manufactured in our plants or sourced from trusted suppliers that we have relied on for many years, with dBTechnologies' quality assurance experts rigorously monitoring the production process.

Final assembly takes place at our home base in Bologna, Italy, where we burn in speakers and put every enclosure to the test for several hours before it ships.

This painstaking attention to detail has made the OPERA series one of the most successful and most frequently copied speaker systems. dBTechnologies leverages leading-edge technologies and proven manufacturing processes to continue making – in Italy rather than offshore - quality products that deliver unmatched performance for the price.



500
DX



OPERA 508 DX

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 67 - 20.000 Hz

Frequency Response [+/- 3dB]: 78 - 19.000 Hz

Max SPL: 121 dB

HF: 1 "

Type HF: Compression driver

Directivity: 80/65 x 60 °

Horn: Asymmetrical CD Horn

LF: 8 "

Amplifier

Amp Technology: digipro®

Amp Class: Class D

Power PRG: 400 Watt

Processor

Controller: DSP 24bit/48kHz

System Presets: Flat, Processed

Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP

Angles Up: Monitor use 43 °

Width: 300 mm (12 in)

Height: 484 mm (19.36 in)

Depth: 284 mm (11.36 in)

Weight: 7,9 kg (15.43 lbs)

OPERA 510 DX

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 62 - 20.000 Hz

Frequency Response [+/- 3dB]: 71 - 19.000 Hz

Max SPL: 122 dB

HF: 1 "

Type HF: Compression driver

Directivity: 80/65 x 60 °

Horn: Asymmetrical CD Horn

LF: 10 "

Amplifier

Amp Technology: digipro®

Amp Class: Class D

Power PRG: 400 Watt

Processor

Controller: DSP 24bit/48kHz

System Presets: Flat, Processed

Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP

Angles Up: Monitor use 43 °

Width: 343 mm (13.72 in)

Height: 553 mm (22.12 in)

Depth: 304 mm (12.16 in)

Weight: 9.8 kg (21.61 lb)



508DX



510DX



OPERA 512 DX

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 59 - 20.000 Hz
 Frequency Response [+/- 3dB]: 70 - 19.000 Hz
 Max SPL: 126 dB
 HF: 1 "
 Type HF: Compression driver
 Directivity: 80/65 x 60 °
 Horn: Asymmetrical CD Horn
 LF: 12 "

Amplifier

Amp Technology: digipro®
 Amp Class: Class D
 Power PRG: 400 Watt

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Processed
 Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
 Angles Up: Monitor use 43 °
 Width: 432 mm (17.28 in)
 Height: 655 mm (26.2 in)
 Depth: 353 mm (14.12 in)
 Weight: 15,8 kg (33.07 lbs)



512DX

OPERA 515 DX

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 52 - 20.000 Hz
 Frequency Response [+/- 3dB]: 60 - 19.000 Hz
 Max SPL: 127 dB
 HF: 1 "
 Type HF: Compression driver
 Directivity: 80/65 x 60 °
 Horn: Asymmetrical CD Horn
 LF: 15 "

Amplifier

Amp Technology: digipro®
 Amp Class: Class D
 Power PRG: 400 Watt

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Processed
 Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
 Angles Up: Monitor use 43 °
 Width: 432 mm (17.28 in)
 Height: 655 mm (26.2 in)
 Depth: 353 mm (14.12 in)
 Weight: 16,7 kg (35.27 lbs)



515DX

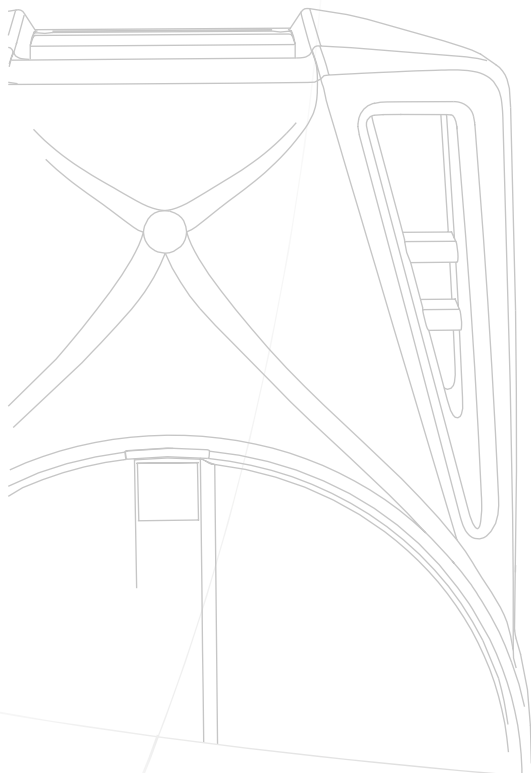
700
DX



OPERA DX700

Advanced Active Technology

Equipped with 700-watt digipro®G2 power amps, high-quality transducers, and modern DSPs, every 700 Series sound system delivers the kind of stellar audio performance that sets the stage for success. And that makes it the perfect companion for the discerning performer.



OPERA 710 DX

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 61 - 20.000 Hz
Frequency Response [+/- 3dB]: 70 - 19.000 Hz
Max SPL: 127 dB
HF: 1 "
Type HF: Compression driver
Directivity: 80/65 x 60 °
Horn: Asymmetrical CD Horn
LF: 10 "

Amplifier

Amp Technology: digipro®G2
Amp Class: Class D
Power PRG: 700 Watt

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
Angles Up: Monitor use 43 °
Width: 343 mm (13.72 in)
Height: 553 mm (22.12 in)
Depth: 304 mm (12.16 in)
Weight: 11,6 kg (24.25 lbs)



710DX



OPERA 712 DX

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 59 - 20.000 Hz
 Frequency Response [+/- 3dB]: 70 - 19.000 Hz
 Max SPL: 128 dB
 HF: 1 "
 Type HF: Compression driver
 Directivity: 80/65 x 60 °
 Horn: Asymmetrical CD Horn
 LF: 12 "

Amplifier

Amp Technology: digipro®G2
 Amp Class: Class D
 Power PRG: 700 Watt

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Processed
 Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
 Angles Up: Monitor use 43 °
 Width: 432 mm (17.28 in)
 Height: 655 mm (26.2 in)
 Depth: 353 mm (14.12 in)
 Weight: 15,4 kg (33.07 lbs)



712DX

OPERA 715 DX

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 48 - 20.000 Hz
 Frequency Response [+/- 3dB]: 58 - 19.000 Hz
 Max SPL: 129 dB
 HF: 1 "
 Type HF: Compression driver
 Directivity: 80/65 x 60 °
 Horn: Asymmetrical CD Horn
 LF: 15 "

Amplifier

Amp Technology: digipro®G2
 Amp Class: Class D
 Power PRG: 700 Watt

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Processed
 Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
 Angles Up: Monitor use 43 °
 Width: 432 mm (17.28 in)
 Height: 655 mm (26.2 in)
 Depth: 353 mm (14.12 in)
 Weight: 15,4 kg (33.07 lbs)



715DX

900
DX

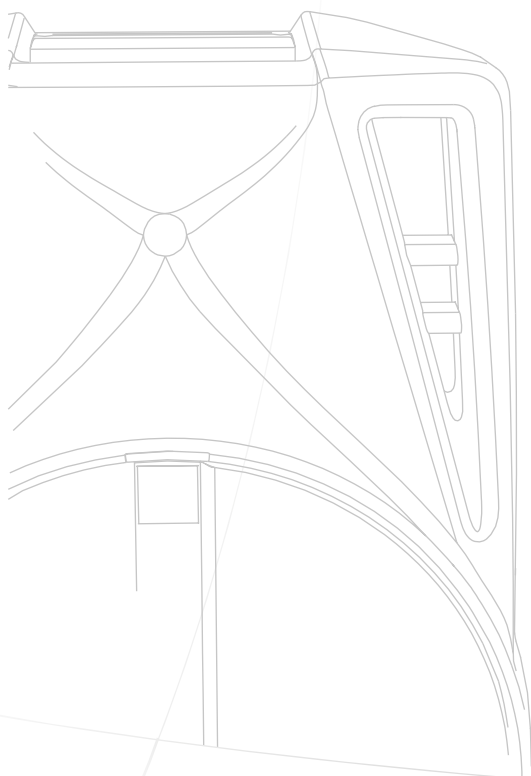


OPERA DX 900

High-end Audio Performance

It doesn't get any better than this: The OPERA 900 is not only the flagship of the line, it is also the reference standard for the entire class.

Its 900-watt digipro®G2 power amp comes with a SMPS and an onboard DSP. Paired with a premium woofer and a high-end driver sporting a 1.4" diaphragm, it packs a powerful low-frequency punch and conjures crystal-clear top end. Its range is nothing short of remarkable.



OPERA 910 DX

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 60 - 20.000 Hz

Frequency Response [+/- 3dB]: 68 - 19.000 Hz

Max SPL: 129 dB

HF: 1"

Type HF: Compression driver

Directivity: 80/65 x 60°

Horn: Asymmetrical CD Horn

LF: 10"

Amplifier

Amp Technology: digipro®G2

Amp Class: Class D

Power PRG: 900 Watt

Processor

Controller: DSP 24bit/48kHz

System Presets: Flat, Processed

Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP

Angles Up: Monitor use 43°

Width: 343 mm (13.72 in)

Height: 553 mm (22.12 in)

Depth: 304 mm (12.16 in)

Weight: 11,7 kg (24.25 lbs)



910DX



OPERA 912 DX

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 55 - 20.000 Hz
 Frequency Response [+/- 3dB]: 68 - 19.000 Hz
 Max SPL: 130 dB
 HF: 1 "
 Type HF: Compression driver
 Directivity: 80/65 x 60 °
 Horn: Asymmetrical CD Horn
 LF: 12 "

Amplifier

Amp Technology: digipro®G2
 Amp Class: Class D
 Power PRG: 900 Wat

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Processed
 Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
 Angles Up: Monitor use 43 °
 Width: 432 mm (17.28 in)
 Height: 655 mm (26.2 in)
 Depth: 353 mm (14.12 in)
 Weight: 18,1 kg (39.68 lbs)



912DX

OPERA 915 DX

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 48 - 20.000 Hz
 Frequency Response [+/- 3dB]: 58 - 19.000 Hz
 Max SPL: 131 dB
 HF: 1 "
 Type HF: Compression driver
 Directivity: 80/65 x 60 °
 Horn: Asymmetrical CD Horn
 LF: 15 "

Amplifier

Amp Technology: digipro®G2
 Amp Class: Class D
 Power PRG: 900 Watt

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Processed
 Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
 Angles Up: Monitor use 43 °
 Width: 432 mm (17.28 in)
 Height: 655 mm (26.2 in)
 Depth: 353 mm (14.12 in)
 Weight: 18,8 kg (39.68 lbs)



915DX

cromo⁺ *Series*

CROMO 8+
CROMO 10+
CROMO 12Club
CROMO 12+
CROMO 15+

2-Way Active Speakers



dBTechnologies

2-Way Active Speakers

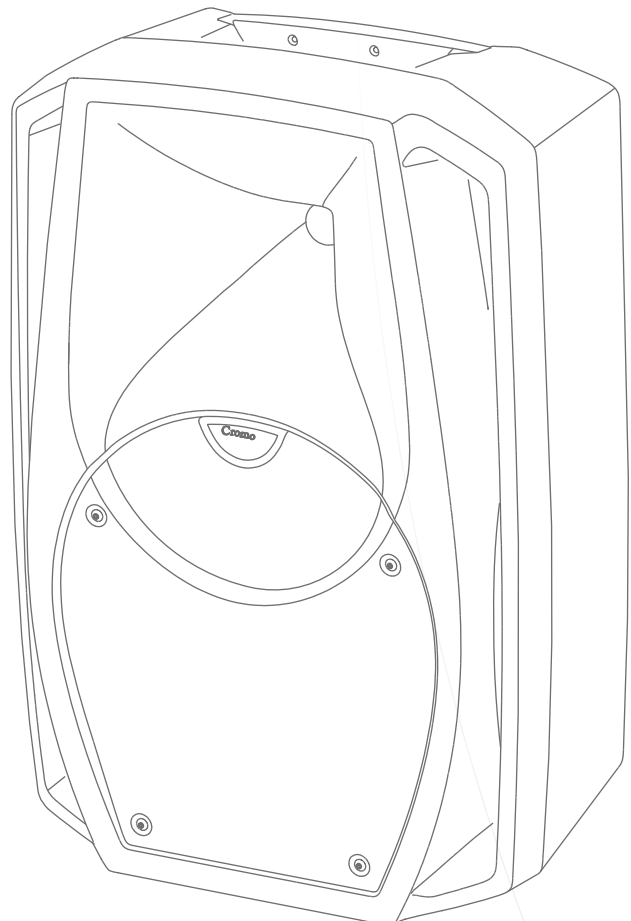
The Cromo+ Series offers powered loudspeakers with modern digital technology for first time users, without having to miss out on professional features and outstanding audio performance.

The Cromo+ Series features the ultra compact digipack digital power amplifiers, based on the successful digipro® amp technology for maximum efficiency.

The integrated digital sound processor (DSP) caters for perfect sound calibration of the individual speaker components. All in all, true professional features, unique in its class and setting new standards in entry level speaker lines.

The compact multifunctional housing of the Cromo+ speaker line, with asymmetrical CD horns, can be used for many different applications, such as live events, a public address system for a singer, for monitoring purposes on stage, or for fixed installations in Bars or lounges.

All Cromo+ models have a microphone input on XLR and jack sockets for maximum flexibility.



CROMO 8+

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 68 - 20.000 Hz
Frequency Response [+/- 3dB]: 80 - 19.000 Hz
Max SPL: 118 dB
HF: 1 "
Type HF: Compression driver
Directivity: 90/70 x 60 °
Horn: Asymmetrical CD Horn
LF: 8 "

Amplifier

Amp Technology: Digipack™
Amp Class: Class D
Power PRG: 300 Watt

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
Angles Up: Monitor use 43 °
Width: 270 mm (10.8 in)
Height: 435 mm (17.4 in)
Depth: 252 mm (10.08 in)
Weight: 7,8 kg (15.43 lbs)

CROMO 10+

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 65 - 20.000 Hz
Frequency Response [+/- 3dB]: 70 - 19.000 Hz
Max SPL: 121 dB
HF: 1 "
Type HF: Compression driver
Directivity: 90/70 x 60 °
Horn: Asymmetrical CD Horn
LF: 10 "

Amplifier

Amp Technology: Digipack™
Amp Class: Class D
Power PRG: 400 Watt

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
Angles Up: Monitor use 43 °
Width: 320 mm (12.8 in)
Height: 508 mm (20.32 in)
Depth: 297 mm (11.88 in)
Weight: 12 kg (26.46 lbs)

CROMO 12Club

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 55 - 20.000 Hz
Frequency Response [+/- 3dB]: 60 - 19.000 Hz
Max SPL: 124 dB
HF: 1 "
Type HF: Compression driver
Directivity: 90/70 x 60 °
Horn: Asymmetrical CD Horn
LF: 12 "

Amplifier

Amp Technology: Digipack™
Amp Class: Class D
Power PRG: 400 Watt

Processor

Controller: DSP 24bit/48kHz
System Presets: Flat, Processed
Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
Angles Up: Monitor use 43 °
Width: 402 mm (16.08 in)
Height: 615 mm (24.6 in)
Depth: 356 mm (14.24 in)
Weight: 17,7 kg (39.02 lbs)



CR 8+



CR 10+



CR 12
club

CROMO 12+

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 55 - 20.000 Hz
 Frequency Response [+/- 3dB]: 60 - 19.000 Hz
 Max SPL: 126 dB
 HF: 1 "
 Type HF: Compression driver
 Directivity: 90/70 x 60 °
 Horn: Asymmetrical CD Horn
 LF: 12 "

Amplifier

Amp Technology: Digipack™
 Amp Class: Class D
 Power PRG: 600 Watt

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Processed
 Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
 Angles Up: Monitor use 43 °
 Width: 402 mm (16.08 in)
 Height: 615 mm (24.6 in)
 Depth: 356 mm (14.24 in)
 Weight: 18,5 kg (39.68 lbs)



CR 12+

CROMO 15+

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 45 - 20.000 Hz
 Frequency Response [+/- 3dB]: 50 - 19.000 Hz
 Max SPL: 128 dB
 HF: 1 "
 Type HF: Compression driver
 Directivity: 90/70 x 60 °
 Horn: Asymmetrical CD Horn
 LF: 15 "

Amplifier

Amp Technology: Digipack™
 Amp Class: Class D
 Power PRG: 600 Watt

Processor

Controller: DSP 24bit/48kHz
 System Presets: Flat, Processed
 Limiter: Dual Active Peak, RMS, Thermal

Mechanics

Housing: Polyporpylen PP
 Angles Up: Monitor use 43 °
 Width: 470 mm (18.8 in)
 Height: 720 mm (28.8 in)
 Depth: 405 mm (16.2 in)
 Weight: 22.9 kg (50.49 lbs)



CR 15+

SUB *Series*

Sub 28D
Sub 12D
Sub 05D
Sub 808D
Sub 15D
Sub 18D

Active Subwoofers



dBTechnologies

Active Class-D Subwoofers

dBTechnologies is well known for its remarkable active subwoofers with outstanding performance, combining powerful and precise subsonic reproduction with excellent tonal quality.

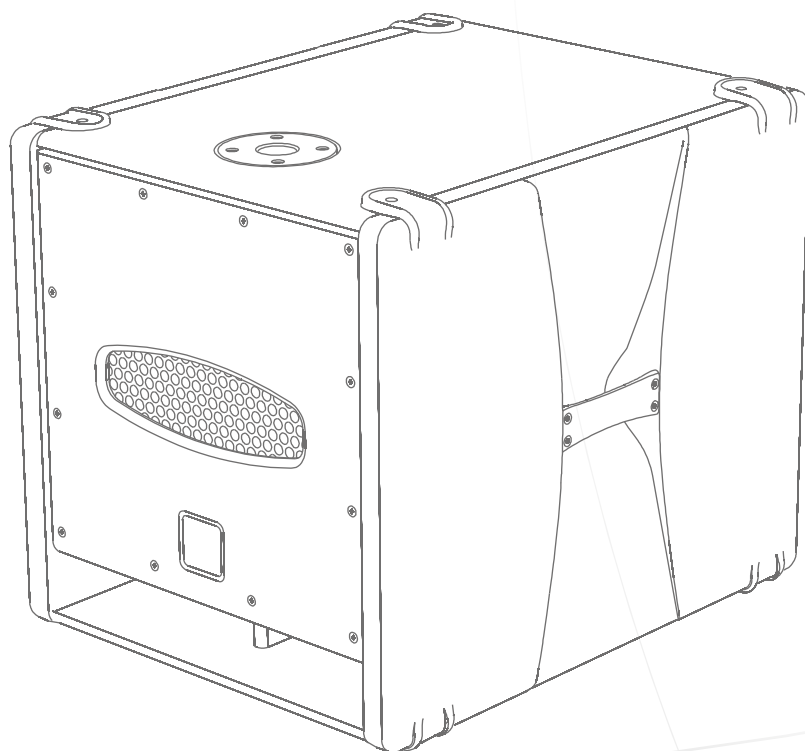
The dBTechnologies' bandpass design guarantees a well balanced reproduction of sound but adding a few dB SPL extra, compared to regular bass-reflex designs. The result is maximum performance, out of a very compact and lightweight enclosure.

All powered subwoofers are equipped with an active crossover, which can operate in Mono or Stereo mode, providing all combinations for applications with one or more subwoofers.

With digital power amps lightening the load, toting and setting up these bins is an exercise in convenience. This handling ease is an asset users are sure to value, particularly those frequently tasked to set up and tear down systems for live applications.

Developed by dBTechnologies, H.E.T™ housings are made of premium-quality multiply wood with a hardwearing, durable, and scratch-resistant coating. Tough, robust plastic side panels provide excellent protection for the housing as well as integrated grips and electrical connectors for utmost handling convenience and safety.

- ***H.E.T™ (Hybrid Enclosure Technology)***
- ***Digipack™ digital amplifiers***
- ***Double Sub Preset EQ***
- ***Stereo I/O for easy setup***





Active 2x8" Subwoofer

We engineered the SUB 28 D to provide low-end reinforcement for compact satellites such as dBTechnologies L and K Series speakers.



This light and lean enclosure houses two 8" woofers driven by a 800W digital power amp and an onboard digital stereo x-over. Setting up mono and stereo satellite systems is a piece of cake with this amp and DSP on board.



SUB 28D

Technical Data

Speaker Type: Active Bandpass Subwoofer

Acoustical data

Frequency Response [-10dB]: 45 - 150 Hz

Max SPL: 125 dB

Directivity: omnidirectional

LF: 2x8"

Amplifier

Amp Technology: Digipack™

Amp Class: Class D

Peak Power: 800 W

Processor

Controller: DSP 24 bit/ 48 kHz

Phase: 0, 180 °

Limiter: Dual Active Limiter

Crossover Frequency: 100 Hz, 24dB/Octave

System Presets: Flat, Boost

Inputs

Signal Input: 2x XLR

Signal Output: 2x XLR X-Over Out/ Link Out)

Mechanics

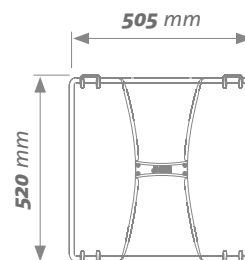
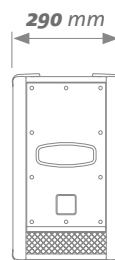
Housing: Multiplex with H.E.T coating, reinforced

Width: 290 mm (11.6 in)

Height: 520 mm (20.8 in)

Depth: 505 mm (20.2 in)

Weight: 19.5 kg (42.99 lbs)



SUB 12D

Technical Data

Speaker Type: Active Bandpass Subwoofer

Acoustical data

Frequency Response [-10dB]: 40 - 150 Hz

Max SPL: 127 dB

Directivity: omnidirectional

LF: 12 "

Amplifier

Amp Technology: Digipack™

Amp Class: Class D

Peak Power: 800 W

Processor

Controller: DSP 24 bit/ 48 kHz

Phase: 0, 180 °

Limiter: Dual Active Limiter

Crossover Frequency: 100 Hz, 24dB/Octave

System Presets: Flat, Boost

Inputs

Signal Input: 2x XLR

Signal Output: 2x XLR X-Over Out/ Link Out

Mechanics

Housing: Multiplex with H.E.T coating, reinforced

Width: 390 mm (15.6 in)

Height: 520 mm (20.4 in)

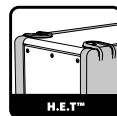
Depth: 505 mm (19.9 in)

Weight: 24 kg (52.91 lbs)

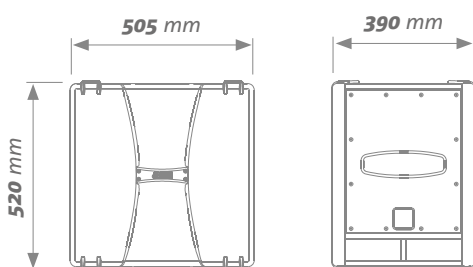


Active 12" Subwoofer

Equipped with a 800W digital power amp, the SUB 12 D is the perfect complement to 8" or 10" speaker systems for users looking to set up small but assertive satellite systems that deliver exceptional performance.



Featuring compact dimensions and the innovative H.E.T™ housing, this unit is easy to transport and set up. Connecting satellites is an exercise in convenience thanks to an integrated digital crossover (DSP) with adjustable frequency.





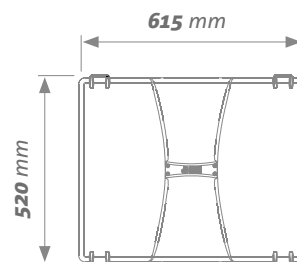
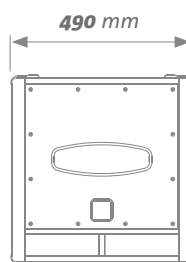
Active 15" Subwoofer

The 800W SUB 05D is an excellent choice for extending 10" and 12" loudspeakers' range. It packs the kind powerful low-end punch necessary for contemporary sounds and pumps out plenty of SPL for live applications.



The unit connects easily and quickly courtesy of a built-in digital stereo crossover (DSP) with boost selector and phase inversion switch.

Housed in the newly developed H.E.T™ enclosure featuring integrated control features, this rugged cabinet tough enough to stand up to the rigors of transport.



SUB 05D

Technical Data

Speaker Type: Active Bandpass Subwoofer

Acoustical data

Frequency Response [-10dB]: 30 - 150 Hz

Max SPL: 129 dB

Directivity: omnidirectional

LF: 15 "

Amplifier

Amp Technology: Digipack™

Amp Class: Class D

Peak Power: 800 W

Processor

Controller: DSP 24 bit/ 48 kHz

Phase: 0, 180 °

Limiter: Dual Active Limiter

Crossover Frequency: 100 Hz, 24dB/Octave

System Presets: Flat, Boost

Inputs

Signal Input: 2x XLR

Signal Output: 2x XLR X-Over Out/ Link Out

Mechanics

Housing: Multiplex with H.E.T coating, reinforced

Width: 490 mm (19.6 in)

Height: 520 mm (20.5 in)

Depth: 615 mm (24 in)

Weight: 29,5 kg (65.04 lbs)

SUB 808D

Technical Data

Speaker Type: Active Bandpass Subwoofer

Acoustical data

Frequency Response [-10dB]: 30 - 150 Hz

Max SPL: 130 dB

Directivity: omnidirectional

LF: 18 "

Amplifier

Amp Technology: Digipack™

Amp Class: Class D

Peak Power: 1000 W

Processor

Controller: DSP 24 bit/ 48 kHz

Phase: 0, 180 °

Limiter: Dual Active Limiter

Crossover Frequency: 100 Hz, 24dB/Octave

System Presets: Flat, Boost

Inputs

Signal Input: 2x XLR

Signal Output: 2x XLR Link Out/X-Over Out

Mechanics

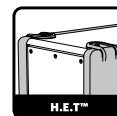
Housing: Multiplex with H.E.T coating, reinforced

Width: 640 mm (25.6 in)

Height: 520 mm (20.8 in)

Depth: 615 mm (24.6 in)

Weight: 34,8 kg (74.96 lbs)



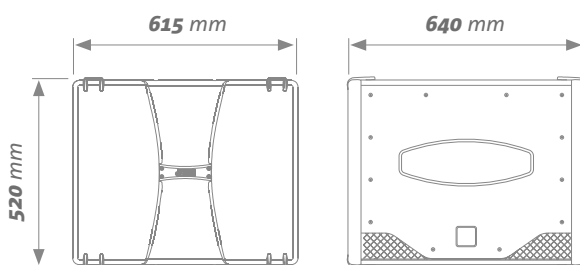
Active 18" Subwoofer

Sporting an 18" woofer loaded to a bandpass housing and an onboard 1000W digital power amp, the SUB 808D delivers a low-ranging bass foundation to provide precisely the low-end support 12" and 15" speaker systems need.



Such rigs are easily set up, connected and configured thanks to the built-in digital stereo x-over (DSP) with phase reverse switch, and integrated control features.

The H.E.T™ enclosure is a tough, road-worthy housing that keeps the components inside well protected.

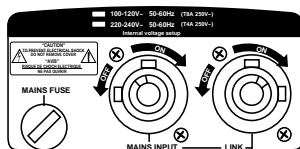
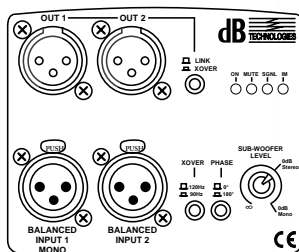




Active 15" Subwoofer

Loaded with 15" woofer and featuring band-pass cabinet, the SUB 15D is a remarkably agile and responsive speaker system.

Driven by an onboard digipro® digital power amp, this bin packs a powerful low-end punch perfect for rendering kick drums with high SPL.



SUB 15D

Technical Data

Speaker Type: Active Bandpass Subwoofer

Acoustical data

Frequency Response [-10dB]: 35 - 150 Hz

Max SPL: 133 dB

Directivity: omnidirectional

LF: 15 "

Voice Coil LF: 3 "

Amplifier

Amp Technology: Digipro®

Amp Class: Class D

Power PRG: 1000 W

Peak Power: 2000 W

Processor

Controller: Digital

Phase: 0, 180 °

Limiter: RMS, Peak, thermal

Crossover Frequency MF-HF: 90, 120 Hz

LF-Xover out slope: 24 dB/Octave

Inputs

Signal Input: 2x XLR

Signal Output: 2x XLR X-Over Out/ Link Out

Mechanics

Housing: Multiplex, birch plywood

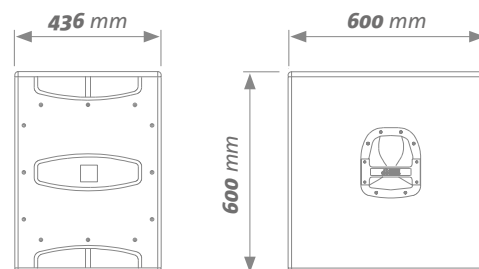
Pole Mount: M20

Width: 436 mm (17.44 in)

Height: 600 mm (24 in)

Depth: 600 mm (24 in)

Weight: 32 kg (70.55 lbs)



SUB 18D

Technical Data

Speaker Type: Active Bandpass Subwoofer

Acoustical data

Frequency Response [-10dB]: 28 - 150 Hz

Max SPL: 134 dB

Directivity: omnidirectional

LF: 18 "

Voice Coil LF: 4 "

Amplifier

Amp Technology: Digipro®

Amp Class: Class D

Power PRG: 1400 W

Peak Power: 2800 W

Processor

Controller: Digital

Phase: 0, 180 °

Limiter: Dual Active Limiter

Crossover Frequency MF-HF: 90, 120 Hz

LF-Xover out slope: 24 dB/Octave

Inputs

Signal Input: 2x XLR

Signal Output: 2x XLR X-Over Out/ Link Out

Mechanics

Housing: Multiplex, birch plywood

Pole Mount: 2x M20

Width: 530 mm (21.2 in)

Height: 700 mm (28 in)

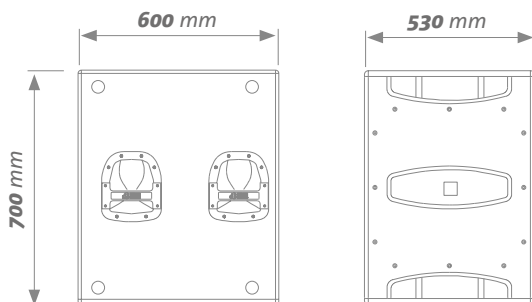
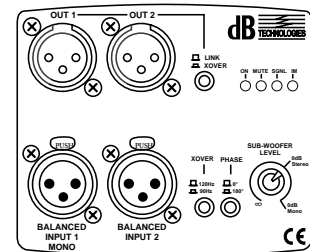
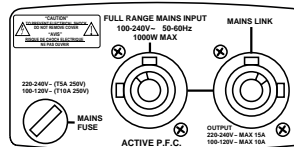
Depth: 600 mm (24 in)

Weight: 44 kg (97 lbs)



Active 18" Subwoofer

The SUB 18D is the first-choice bass bin for users seeking powerful punch and ultra low-end response. Fine-tuned to augment and amplify the highpower 18" woofer's audio performance, this custom engineered bandpass enclosure outperforms conventional bass-reflex designs, achieving higher peak levels.



MINIBOX *Series*

MINIBOX L160D

MINIBOX K300

MINIBOX K162

MINIBOX K70

Compact Active Speakers



dBTechnologies

Compact Active Speakers

MINIBOX L160 D

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB] 70 - 20.000 Hz

Max SPL: 116 dB

HF: 1"

Type HF: Dome Tweeter, coaxial

Directivity: 85 x 75 °

LF: 2x 5"

Amplifier

Amp Technology: digipro®

Amp Class: Class D

Power PRG: 160 W

Cooling: Convection

Processor

Controller: DSP 24bit/48kHz

System Presets: 8

Limiter: Dual Active Peak, RMS, Thermal

Slope MF-HF: 24 dB/Octave

Inputs

Signal Input: 1x XLR Line In/Mic

1x 6.3mm phone jack

1x RCA cinch AUX with volume ctrl

Microphone Input: Yes

Signal Output: 1x 6.3mm phone jack

Power Socket: VDE

Voltage Range: 110-120 - 220-240 V

Mechanics

Housing: Polyporpylen PP

Angles Up: 60° for monitor use °

Rigging Points: 2x M5 on side

2x M5 on bottom for accessories

Accessory: WB03, SN120

Width: 200 mm (8 in)

Height: 335 mm (13.4 in)

Depth: 220 mm (8.8 in)

Weight: 5.2 kg (11.46 lbs)

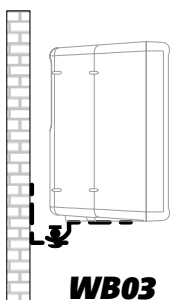


Active Speakers

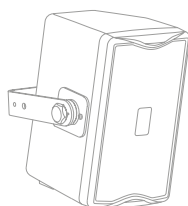
A powerful yet surprisingly light cabinet, the remarkably compact L160D offers a variety of connection options to provide convenient sound reinforcement for multimedia applications.

Paired with a DSP, the two 5" phase-corrected loudspeakers deliver astonishingly high sound pressure levels for their size and an amazingly transparent and articulate sonic image.

The multifunctional housing offers wall-mount fixing points for permanent installation and a pole mount for portable use.



WB03



WB11



MINIBOX

Active Speakers

The most powerful compact cabinet in its class, the K300 is chock-full of innovative technologies.



Housed in an ultra compact enclosure, its digipro® bi-amped digital power amp delivers high performance and sound pressure levels. The 1" HF driver renders midrange frequencies with pinpoint precision, and its response is richly detailed.

The integrated DSP further enhances clarity and accuracy, and protects components using digital limiters.



MINIBOX K300

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB] 70 - 20.000 Hz

Max SPL: 118 dB

HF: 1"

Type HF: Neodymium driver

Directivity: 80 x 60 °

LF: 2x 6.5"

Type LF: Neodymium

Amplifier

Amp Technology: digipro

Amp Class: Class D

Power PRG: 300 W

Cooling: Convection

Processor

Controller: DSP 24bit/48kHz

Limiter: Dual Active, Peak, RMS, Thermal

Inputs

Signal Input: 1x XLR

1x 6.3mm phone jack

1x RCA cinch

Microphone Input: Yes

Signal Output: 1x XLR

1x 6.3mm phone jack

1x RCA cinch

Power Socket: VDE

Voltage Range: 240 V

Mechanics

Housing: Polyporpylen PP

Pole Mount: Optional

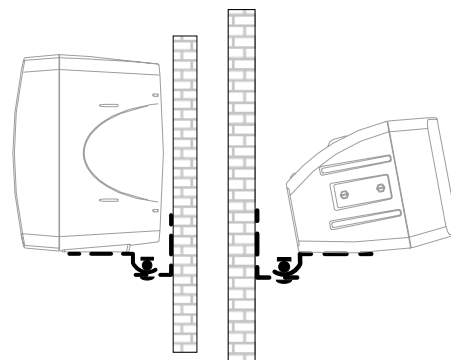
Rigging Points: 4x M5

Width: 210 mm (8.4 in)

Height: 350 mm (14 in)

Depth: 270 mm (10.8 in)

Weight: 5.5 kg (12.13 lbs)





MINIBOX K162

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 85 - 19.000 Hz

Max SPL: 110 dB

Type HF: Tweeter

LF: 2x 6.5 "

Amplifier

Power PRG: 160 W

Cooling: Convection

Processor

Controller: Analog

Limiter: Soft Clip

Inputs

Signal Input: 1x XLR

1x 6.3mm phone jack

1x RCA cinch

Microphone Input: Yes

Signal Output: 1x XLR

1x 6.3mm phone jack

1x RCA cinch

Power Socket: VDE

Mechanics

Housing: Polyporpylen PP

Rigging Points: 4x M5

Width: 210 mm (8.4 in)

Height: 350 mm (14 in)

Depth: 270 mm (10.8 in)

Weight: 5,5 kg (12.13 lbs)



MINIBOX K70

Technical Data

Speaker Type: 2-Way Active Speaker

Acoustical data

Frequency Response [-10dB]: 100 - 18.000 Hz

Max SPL: 101 dB

Type HF: Tweeter

LF: 5 "

Amplifier

Power PRG: 100 W

Cooling: Convection

Processor

Controller: Analog

Limiter: Soft Clip

Inputs

Signal Input: 1x XLR

1x 6.3mm phone jack

1x RCA cinch

Microphone Input: Yes

Signal Output: 1x XLR

1x 6.3mm phone jack

1x RCA cinch

Power Socket: VDE

Mechanics

Housing: Polyporpylen PP

Width: 170 mm (6.8 in)

Height: 270 mm (10.8 in)

Depth: 185 mm (7.4 in)

Weight: 3.5 kg (7.72 lbs)



ARENA
Series

ARENA 8
ARENA 10
ARENA 12
ARENA 15
ARENA SW15
ARENA SW18
ARENA 8 PRO
ARENA 10 PRO
ARENA 12 PRO
ARENA 15 PRO
ARENA SW15 PRO
ARENA SW18 PRO

Professional Passive Speakers & Subs



dBTechnologies

2-Way Passive Loudspeakers

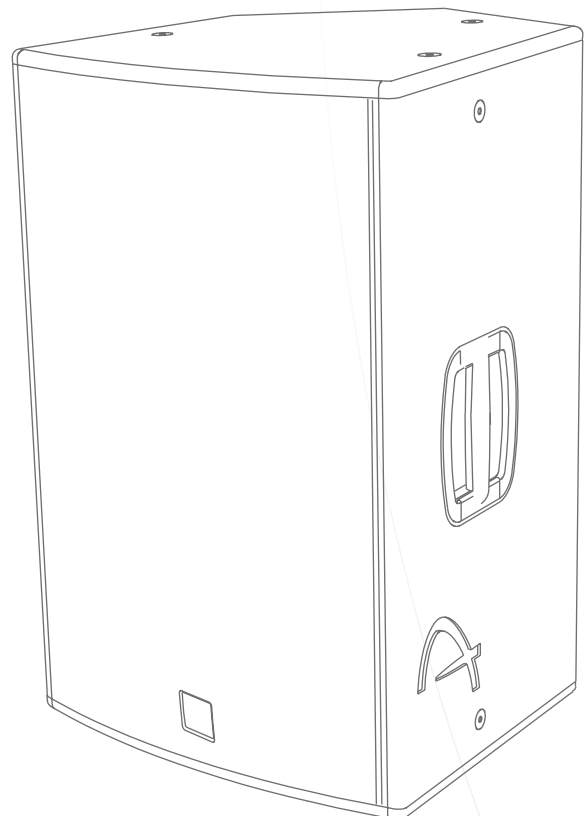
The passive loudspeaker range ARENA offers high-quality 2-way enclosures and powerful subwoofers. This series can be used for many different mobile or fixed install applications due to its extensive configurations.

All high/mid units use a multipurpose housing made out of multilayer birch wood, offering a pole mount, 12 professional flypoints and a slanted backside for monitor applications. Due to the premium loudspeaker components, all units are able to handle high sound pressure levels.

They offer outstanding, specially designed constant directivity horns which are rotatable by 90°, thanks to the symmetrical shape. The low weight of the enclosures allows easy handling.

All models are equipped with a black front grill with acoustic foam layer.

- **High-quality multifunctional housing made of multiplex coated with a robust black textured finish**
- **High-quality passive crossovers featuring PTC driver protection**
- **Professional-grade M8/M10 threaded rigging points**
- **Rotatable high-frequency, wide-dispersion horns painstakingly engineered for excellent performance**
- **Subwoofer's threaded M20 base ready to accept a pole mount**
- **High-quality components selected for ultra precise response**
- **Professional mounting accessories optionally available**



2-Way Passive Loudspeakers



ARENA 8

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

Nominal Power Rating: 200 W/RMS
Program Power Rating: 400 W
Impedance: 8 Ohms
Frequency Response [\pm 3dB]: 100 - 19,000 Hz
Max SPL: 122 dB
HF: 1 "
Driver Protection: PTC
Directivity: 90x70 °
Horn: CD Horn
Rotatable Horn: Yes
Crossover Frequency (passive): 2100 Hz
Slope MF-HF: 18 dB/Octave
LF: 8 "
Voice Coil LF: 1.5 "

Inputs

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
Pole Mount: 36mm
Angles Up: Monitor use 45 °
Rigging Points: 12 x M8
Width: 270 mm (10.8 in)
Height: 458 mm (18.32 in)
Depth: 270 mm (10.8 in)
Weight: 9.3 kg (20.5 lbs)

ARENA 10

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

Nominal Power Rating: 300 W/RMS
Program Power Rating: 600 W
Impedance: 8 Ohms
Frequency Response [\pm 3dB]: 95 - 19,000 Hz
Max SPL: 125 dB
HF: 1 "
Driver Protection: PTC
Directivity: 90x70 °
Horn: CD Horn
Rotatable Horn: Yes
Crossover Frequency (passive): 2100 Hz
Slope MF-HF: 18 dB/Octave
LF: 10 "
Voice Coil LF: 2 "

Inputs

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
Pole Mount: 36mm
Angles Up: Monitor use 45 °
Rigging Points: 12 x M8
Width: 321 mm (12.84 in)
Height: 508 mm (20.32 in)
Depth: 320 mm (12.8 in)
Weight: 12.2 kg (26.9 lbs)





ARENA 12

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

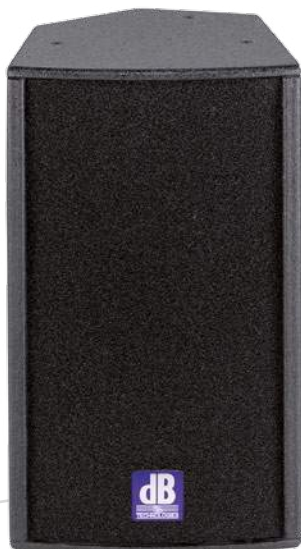
Nominal Power Rating: 400 W/RMS
 Program Power Rating: 800 W
 Impedance: 8 Ohms
 Frequency Response [\pm 3dB]: 80 - 19,000 Hz
 Max SPL: 127 dB
 HF: 1 "
 Driver Protection: PTC
 Directivity: 90x40 °
 Horn: CD Horn
 Rotatable Horn: Yes
 Crossover Frequency (passive): 2000 Hz
 Slope MF-HF: 18 dB/Octave
 LF: 12 "
 Voice Coil LF: 2 "

Inputs

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
 Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
 Pole Mount: 36mm
 Angles Up: Monitor use 45 °
 Rigging Points: 12 x M10
 Width: 379 mm (15.16 in)
 Height: 631 mm (25.24 in)
 Depth: 378 mm (15.12 in)
 Weight: 17.8 kg (39.24 lbs)



ARENA 15

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

Nominal Power Rating: 400 W/RMS
 Program Power Rating: 800 W
 Impedance: 8 Ohms
 Frequency Response [\pm 3dB]: 80 - 19,000 Hz
 Max SPL: 129 dB
 HF: 1 "
 Driver Protection: PTC
 Directivity: 90x40 °
 Horn: CD Horn
 Rotatable Horn: Yes
 Crossover Frequency (passive): 2000 Hz
 Slope MF-HF: 18 dB/Octave
 LF: 15 "
 Voice Coil LF: 2.5 "

Inputs

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
 Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
 Pole Mount: 36mm
 Angles Up: Monitor use 45 °
 Rigging Points: 12 x M10
 Width: 458 mm (18.32 in)
 Height: 710 mm (28.4 in)
 Depth: 453 mm (18.12 in)
 Weight: 23.7 kg (52.25 lb)





Passive 15" Subwoofer

The ARENA SW15 offers a 15" woofer with a 3" voice coil which can take a load up to 500W/RMS putting out an extraordinary SPL of 130dB at very powerful low end frequencies.

It can be easily combined with ARENA10 and ARENA12 high/mid units, due to the internal passive crossover. Also possible is bi-amp operation using an external crossover unit.

ARENA SW15

Technical Data

Speaker Type: Passive Subwoofer

Acoustical data

Nominal Power Rating: 500 W/RMS

Program Power Rating: 1000 W

Impedance: 8 Ohms

Frequency Response [+/- 3dB]: 40 - 150 Hz

Max SPL: 130 dB

LF: 15 "

Voice Coil LF: 3 "

Internal Crossover: Yes

Crossover Frequency (passive): 150 Hz

Inputs

Signal Input: 1x Speakon (Pin 1==+) (Pin 1=-)

Signal Output: 1x Speakon (Pin 1==+) (Pin 1=-)

Mechanics

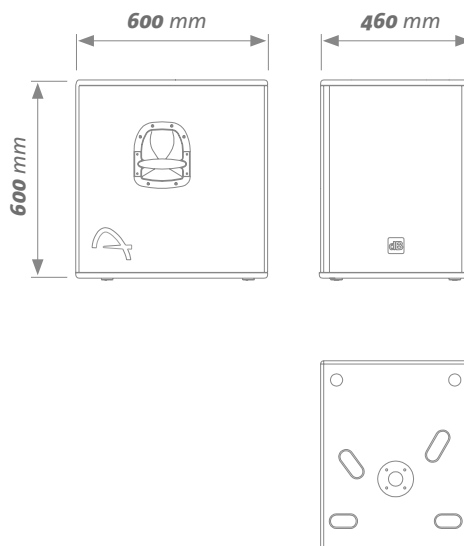
Housing: Multiplex birch plywood

Width: 460 mm (18.4 in)

Height: 600 mm (24 in)

Depth: 600 mm (24 in)

Weight: 34 kg (74.96 lbs)





ARENA SW18

Technical Data

Speaker Type: Passive Subwoofer

Acoustical data

Nominal Power Rating: 600 W/RMS

Program Power Rating: 1200 W

Impedance: 8 Ohms

Frequency Response $[+/- 3\text{dB}]$: 35 - 150 Hz

Max SPL: 132 dB

LF: 18"

Voice Coil LF: 4"

Internal Crossover: Yes

Crossover Frequency (passive): 150 Hz

Inputs

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)

Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood

Width: 565 mm (22.6 in)

Height: 700 mm (28 in)

Depth: 700 mm (28 in)

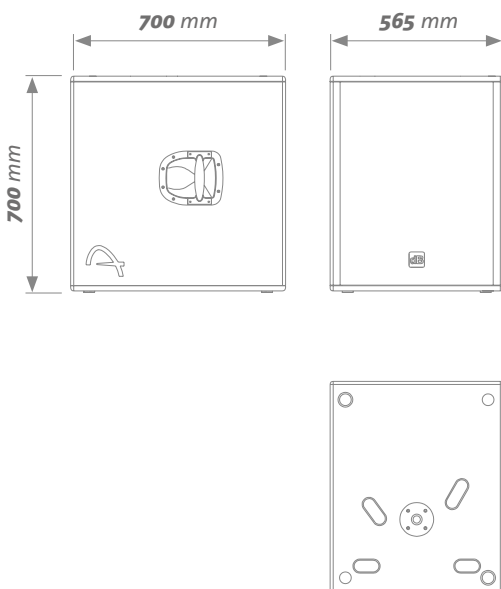
Weight: 44 kg (97 lbs)

Passive 18" Subwoofer

The 4" voice coil of the ARENA SW18 delivers powerful and accurate low frequency reproduction, down to 35Hz, at a maximum load of 600W/RMS.

Sound pressure levels of up to 132dB at a crossover frequency of 150Hz, using the internal crossover make this subwoofer the professionals choice.

This woofer can be easily combined with the ARENA satellite units, using just one external power amp.





ARENA 8 PRO

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

Nominal Power Rating: 300 W/RMS
 Program Power Rating: 600 W
 Impedance: 8 Ohms
 Sensitivity 1W@1m: 94 dB
 Frequency Response [-10dB]: 75 - 20.000 Hz
 Frequency Response [+/- 3dB]: 100 - 19.000 Hz
 Max SPL: 125 dB
 HF: 1 "
 Voice Coil HF: 1.5 "
 Driver Protection: PTC
 Directivity: 90X70 °
 Horn: CD Horn Aluminium
 Rotatable Horn: Yes
 Crossover Frequency (passive): 1800 Hz
 Slope MF-HF: 18 dB/Octave
 LF: 8 "
 Voice Coil LF: 2 "

Inputs

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
 Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
 Rigging Points: 12 x M8
 Width: 270 mm (10.8 in)
 Height: 458 mm (18.32 in)
 Depth: 270 mm (10.8 in)
 Weight: 10.9 kg (24.03 lbs)

ARENA 10 PRO

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

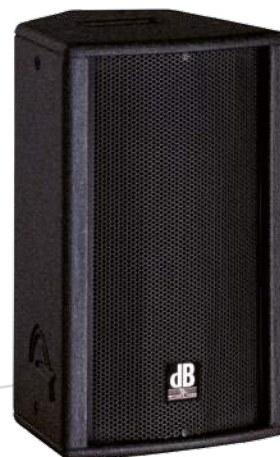
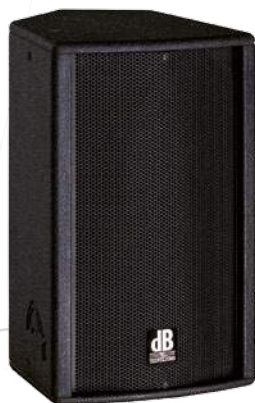
Nominal Power Rating: 300 W/RMS
 Program Power Rating: 600 W
 Impedance: 8 Ohms
 Sensitivity 1W@1m: 96 dB
 Frequency Response [-10dB]: 70 - 20.000 Hz
 Frequency Response [+/- 3dB]: 90 - 19.000 Hz
 Max SPL: 127 dB
 HF: 1 "
 Voice Coil HF: 1.5 "
 Driver Protection: PTC
 Directivity: 90X70 °
 Horn: CD Horn Aluminium
 Rotatable Horn: Yes
 Crossover Frequency (passive): 1800 Hz
 Slope MF-HF: 18 dB/Octave
 LF: 10 "
 Voice Coil LF: 2 "

Inputs

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)
 Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
 Rigging Points: 12 x M8
 Width: 320 mm (12.8 in)
 Height: 508 mm (20.32 in)
 Depth: 320 mm (12.8 in)
 Weight: 14.2 kg (31.31 lbs)





ARENA 12 PRO

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

Nominal Power Rating: 500 W/RMS
 Program Power Rating: 1000 W
 Impedance: 8 Ohms
 Sensitivity 1W@1m: 100 dB
 Frequency Response [-10dB]: 60 - 20.000 Hz
 Frequency Response [+/- 3dB]: 70 - 19.000 Hz
 Max SPL: 133 dB
 HF: 1.4"
 Voice Coil HF: 2.5"
 Driver Protection: PTC
 Directivity: 90X40°
 Horn: CD Horn Aluminium
 Rotatable Horn: Yes
 Crossover Frequency (passive): 1400 Hz
 Slope MF-HF: 18 dB/Octave
 LF: 12"
 Voice Coil LF: 3"

Inputs

Signal Input: 1x Speakon (Pin 1==+) (Pin 1=-)
 Signal Output: 1x Speakon (Pin 1==+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
 Rigging Points: 12 x M10
 Width: 379 mm (15.16 in)
 Height: 631 mm (25.24 in)
 Depth: 378 mm (15.12 in)
 Weight: 22.1 kg (48.72 lbs)



ARENA 15 PRO

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

Nominal Power Rating: 500 W/RMS
 Program Power Rating: 1000 W
 Impedance: 8 Ohms
 Sensitivity 1W@1m: 100 dB
 Frequency Response [-10dB]: 60 - 20.000 Hz
 Frequency Response [+/- 3dB]: 70 - 19.000 Hz
 Max SPL: 133 dB
 HF: 1.4"
 Voice Coil HF: 2.5"
 Driver Protection: PTC
 Directivity: 90X40°
 Horn: CD Horn Aluminium
 Rotatable Horn: Yes
 Crossover Frequency (passive): 1400 Hz
 Slope MF-HF: 18 dB/Octave
 LF: 15"
 Voice Coil LF: 3"

Inputs

Signal Input: 1x Speakon (Pin 1==+) (Pin 1=-)
 Signal Output: 1x Speakon (Pin 1==+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood
 Rigging Points: 12 x M8
 Width: 458 mm (18.32 in)
 Height: 710 mm (28.4 in)
 Depth: 453 mm (18.12 in)
 Weight: 26.2 kg (57.76 lbs)





Passive 15" Subwoofer

The ARENA SW15 PRO is a compact, high-performance subwoofer housed in a bass reflex enclosure. Its impulse response is amazingly true, rendering low-end frequencies with hair-trigger precision in a tight, finely contoured sonic image.

Deployed to stand alone or in a double stack, it is an excellent choice for FOH applications. What's more, its powerful punch makes it your subwoofer of choice for drum fills.

ARENA SW15 PRO

Technical Data

Speaker Type: Passive Subwoofer

Acoustical data

Nominal Power Rating: 500 W/RMS

Program Power Rating: 1000 W

Impedance: 8 Ohms

Frequency Response [- 10dB]: 35 - X-Over Hz

Frequency Response [+/- 3dB]: 40 - X-Over Hz

Max SPL: 132 dB

LF: 15"

Voice Coil LF: 3"

Internal Crossover: No

Inputs

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)

Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood

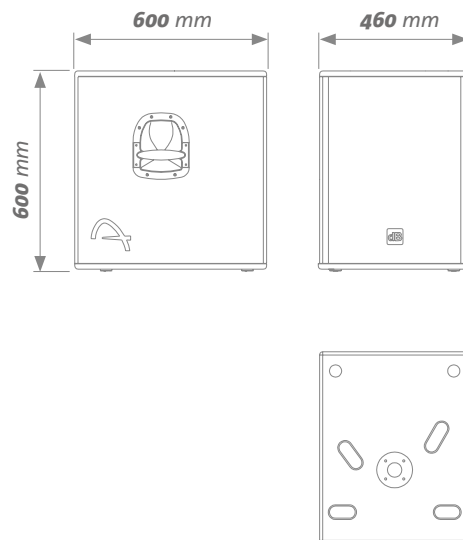
Pole Mount: M20

Width: 460 mm (18.4 in)

Height: 600 mm (24 in)

Depth: 600 mm (24 in)

Weight: 34.8 kg (76.72 lbs)



ARENA SW18 PRO

Technical Data

Speaker Type: Passive Subwoofer

Acoustical data

Nominal Power Rating: 1000 W/RMS

Program Power Rating: 2000 W

Impedance: 8 Ohms

Frequency Response [- 10dB]: 28 - X-Over Hz

Frequency Response [+/- 3dB]: 35 - X-Over Hz

Max SPL: 134 dB

LF: 18"

Voice Coil LF: 4"

Internal Crossover: No

Inputs

Signal Input: 1x Speakon (Pin 1+=+) (Pin 1=-)

Signal Output: 1x Speakon (Pin 1+=+) (Pin 1=-)

Mechanics

Housing: Multiplex birch plywood

Pole Mount: M20

Width: 565 mm (22.6 in)

Height: 700 mm (28 in)

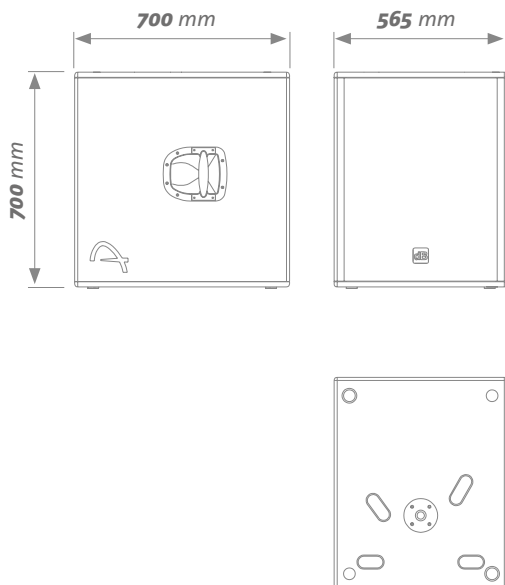
Depth: 700 mm (28 in)

Weight: 43.2 kg (95.24 lbs)

Passive 18" Subwoofer

The ARENA SW18 PRO is a powerful high-capacity 18" subwoofer housed in a bass reflex enclosure with a low limiting frequency of 35 Hz.

Developed specifically to provide a big low-end boost for high-performance fullrange speakers, this bass bin's hallmarks include remarkably dynamic performance and a powerful punch even at very low frequencies.



**NEW
PRODUCT
2013**

AC-26N CONTROLLER



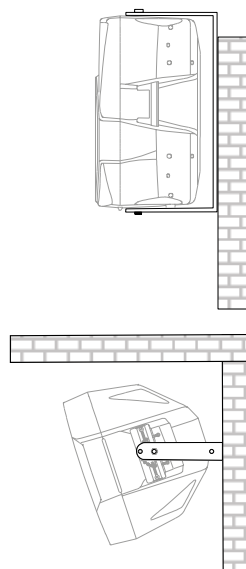
AC26N

Digital Audio Controller for Loudspeaker Processing

The new audio digital processor AC26N allows you to control any professional audio system, both active and passive. Equipped with two inputs and six outputs balanced analogically, two in/out digital AES/EBU and an RDNet control, this processor allows a perfect control in a simple and complete way. Each outputs possesses a parametric equalizer, delay, phase and level control, completely run by a powerful 28/56 Bit DSP, unique in its kind. This processors control may be directed by the front control panel or through an RDNet connected computer.

OPERA P PASSIVE SPEAKER P15

**NEW
PRODUCT
2013**



OPERA P15

Technical Data

Speaker Type: 2-Way Passive Speaker

Acoustical data

Nominal Power Rating: 400 W/RMS
Program Power Rating: 800 W
Impedance: 8 Ohms
Frequency Response [-10dB]: 68 - 19.500 Hz
Max SPL: 128 dB
HF: 1"
Voice Coil HF: 1.75"
Driver Protection: PTC
Directivity: 80°/65°x 60°
Horn: Asymmetrical CD Horn
Crossover Frequency (passive): 2100 Hz
LF: 15"
Voice Coil LF: 3"

Inputs

Signal Input: 2x Speakon

Mechanics

Housing: Polyporpylen PP
Angles Up: Monitor use 43°
Pole Mount: 36mm
Optional Accessories: Mounting bracket
Width: 432 mm (17.28 in)
Height: 655 mm (26.2 in)
Depth: 353 mm (14.12 in)
Weight: 18,4 kg (40,57 lbs)



General Features:

2x XLR Balanced analog inputs
6x XLR Balanced analog outputs
2 channels AES/EBU digital input with SRC (XLR connector)
2 channels AES/EBU digital outputs (XLR connector)
Full range power supply
RDNet Hardware Interface
USB Interface
Remotable via RDNet or USB using dBtechnologies software
Clean and Easy to use user interface on front panel

Processing Algorithms:

Inputs/outputs audio matrix
12 Double Precision PEQs filters for each I/O
Dynamic Range Control for each I/O (Compressor, Limiter, Noise gate)
Crossover (HPF/LPF 12/24/48dB slope)
Delay up to 340mS (or 100m) at 48Khz for each output
Gain / mute audio controls for each I/O
Up to 32 user defined Presets storage (save/store/recall functions)

Audio Specifications:

Max input level: 21dBu (without pad) / 27dBu (with -6dB pad)
Max output level: 21dBu
DSP processing: 28/56bit - 48KHz
A/D and D/A Converters: 24bit - 96KHz
Analog Input S/N ratio: 115dB
A/D Section S/N ratio: 118dB
D/A Section S/N ratio: 120dB



AC26N Software

AMPLIFIERS



HPA 1000

Power Output RMS 4Ohm: 2x 510W
Power Output RMS 8Ohm: 2x 330W
Weight: 15Kg

- Class (HD) technology
- Fast Response
- Easy to Configure
- Extensive Protective Circuits
- Operable at 2 Ohms



HPA 1400

Power Output RMS 4Ohm: 2x 740W
Power Output RMS 8Ohm: 2x 440W
Weight: 17Kg

- Class (HD) technology
- Fast Response
- Easy to Configure
- Extensive Protective Circuits
- Operable at 2 Ohms



HPA 2800

Power Output RMS 4Ohm: 2x 1050W
Power Output RMS 8Ohm: 2x 680W
Weight: 21Kg

- Class (HD) technology
- Fast Response
- Easy to Configure
- Extensive Protective Circuits
- Operable at 2 Ohms



HPA 3100L

Power Output RMS 4Ohm: 2x 1200W
Power Output RMS 8Ohm: 2x 800W
Weight: 14Kg

- Class (HD) technology
- Fast Response
- SMPS
- Extensive Protective Circuits
- Operable at 2 Ohms

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